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AMSAR/SAO/R-10

A SUPPLEMENTARY RDX/HMX PRODUCTS SITE SELECTION STUDY —— ECONOMIC COST ANALYSIS

DONALD R. ECKMAN

AUGUST 1975

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US ARMY ARMAMENT COMMAND

SYSTEMS ANALYSIS OFFICE

ROCK ISLAND, ILLINOIS 61201

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SECURITY CLASSIFICATION OF THIS PAGE (When Date	Entered)	
REPORT DOCUMENTATION	PAGE	READ INSTRUCTIONS BEFORE COMPLETING FORM
AMSAR/SAO/R-10	2. SOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
A SUPPLEMENTARY RDX/HMX PRODUCT SELECTION STUDY - ECONOMIC COST ANALYSIS		5. TYPE OF REPORT & PERIOD COVERED Technical - Final 6. PERFORMING ORG. REPORT NUMBER
Donald R. Eckman		8. CONTRACT OR GRANT NUMBER(*)
9. PERFORMING ORGANIZATION NAME AND ADDRESS US Army Armament Command Systems Analysis Office Rock Island, IL 61201		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
US Army Armament Command Systems Analysis Office Rock Island, IL 61201 14. MONITORING AGENCY NAME & ADDRESS(II dittoron	t from Controlling Office)	12. REPORT DATE August 1975 13. NUMBER OF PAGES 311 15. SECURITY CLASS. (of this report) UNCLASSIFIED 15e. DECLASSIFICATION/DOWNGRADING SCHEDULE
6. DISTRIBUTION STATEMENT (of this Report)		

16. DISTRIBUTION STATEMENT (of this Report)

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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)

18. SUPPLEMENTARY NOTES

19. KEY WORDS (Continue on reverse side if necessary and identify by block number)

Site Selection, Economic Analysis, Risk Analysis, Sensitivity Analysis

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

An economic analysis was made to select a site for construction of RDX/HMX explosive products. Mobilization Levels II and III were considered for FY 1975 (retention) and FY 1976 through 1980 (modernization and expansion) to determine the need for expanded capacity. This investigation indicated the need for expansion of 1 to 3 lines to produce RDX/HMX products.

Newport Army Ammunition Plant and the McAlester and Hawthorne Naval Ammunition Depots were the candidate sites. A ranking based on Present Value

was determined for these candidates. This was followed by risk and sensitivity analyses.

It was recommended, based on available data, that Hawthorne be rejected for economic reasons and that Newport and McAlester be subjected to further analysis based on data other than economic criteria.

SUMMARY

An economic analysis was undertaken to select a site for construction of RDX/HMX explosive products. Moblization Levels II and III were considered for FY 1975 (retention) and FY 1976 through 1980 (modernization and expansion) to determine the need for expanded capacity. This investigation indicated the need for addition of one to three lines to produce RDX/HMX products.

For purposes of analysis, a four-line and a two-line facility were considered for production of Composition-B (Comp-B) exclusively and for other RDX/HMX products. A 13 year program period was considered--3 years of construction followed by 10 years of operation. Operating levels were varied throughout the operating period. The levels of operation varied from shutdown to maximum capacity. In all, 125 variations in the schedule for the 10 years of operation were investigated for each case of product mix and facility capacity. Newport Army Ammunition Plant (AAP), McAlester Naval Ammunition Depot (NAD), and Hawthorne NAD were the candidate sites. Newport AAP was previously chosen as the "best" location among another set of candidates; McAlester NAD and Hawthorne NAD were proposed as later considerations.

A ranking based on present value was determined for these candidate sites. This was followed by a risk analysis and sensitivity analysis. The present value analysis was based on 10% discounting of cash flows over the 13 year program period. The risk analysis was based on uncertainties in the cost estimates and was limited to a determination of risk of erring in choosing the least-cost site. The sensitivity analysis addressed variations in the major cost elements: construction, materials, labor, utilities, and transportation.

Newport AAP was ranked the least-cost site, based on the cost estimates; however, the selection of Newport incurred a significant risk of error when compared with McAlester NAD. Hawthorne NAD was not in contention when compared with either Newport or McAlester. There was virtually no risk in choosing either of these sites over Hawthorne NAD. The risk of erring in the choice of Newport was further illustrated in the sensitivity analysis. Variation of 5% in construction costs and 10% in operating costs could reverse the order of ranking of Newport and McAlester in selected cases. It was recommended, based on the data available, that Hawthorne NAD be rejected as a candidate site based on economics and that the selection between Newport AAP and McAlester NAD be subjected to further analysis based on other data than the economic criteria.

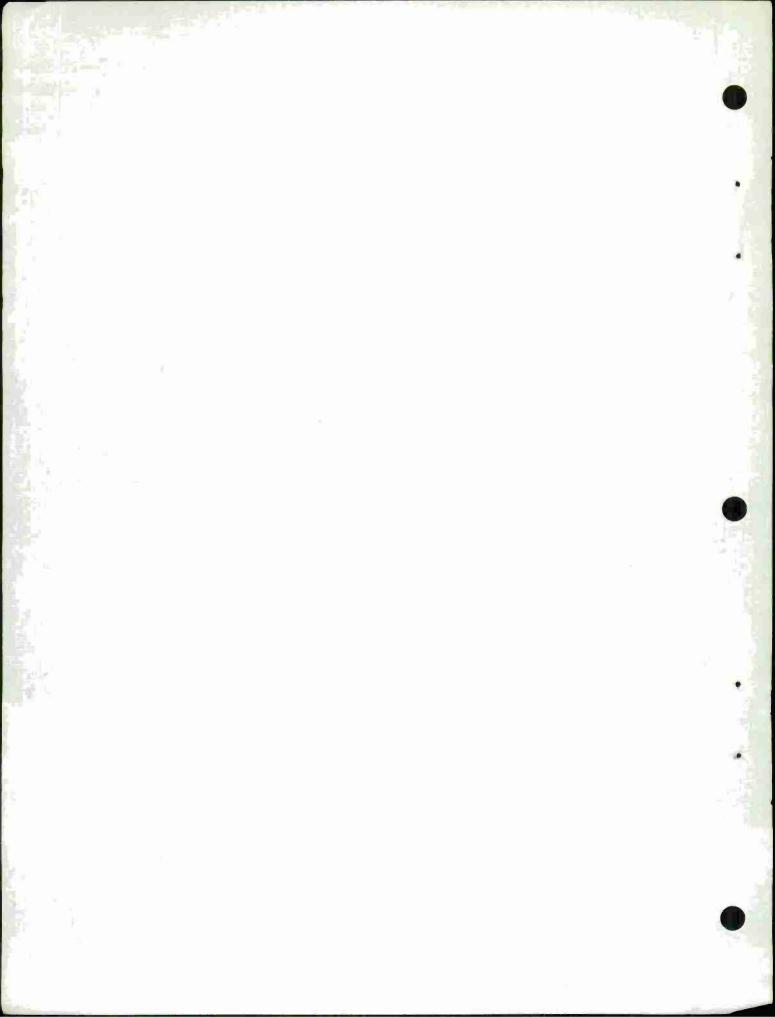
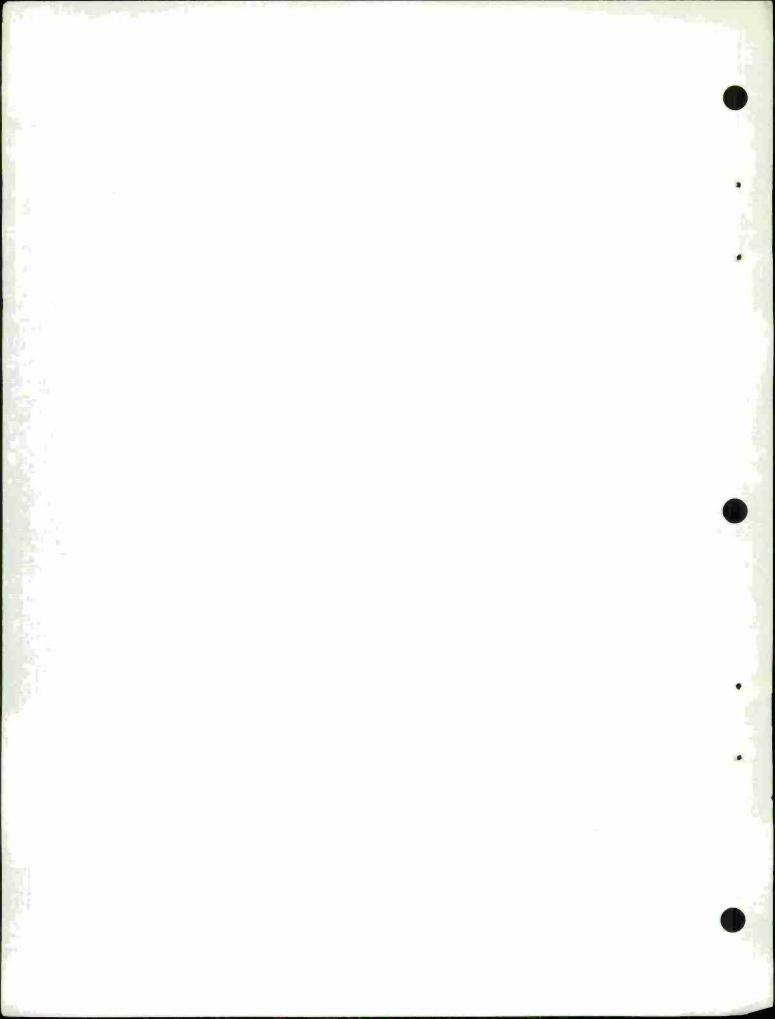


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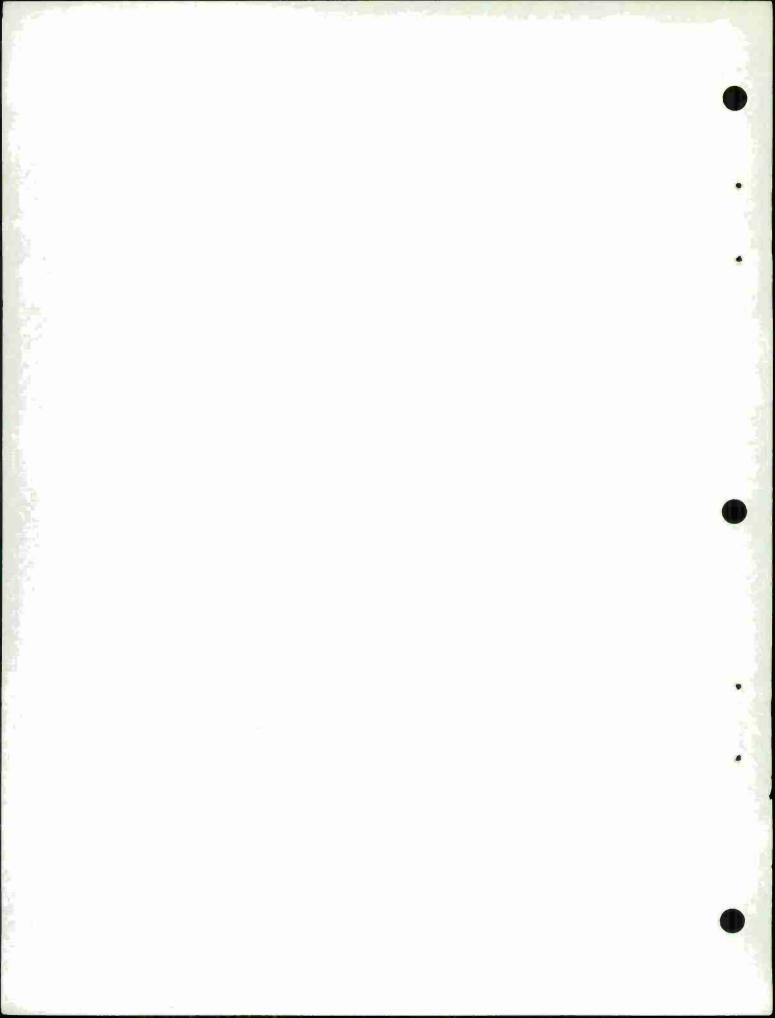
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DISCUSSION OF PROBLEM

BACKGROUND

In the spring of 1973 the US Army Munitions Command - Operations Research Group (MUCOM-ORG) was requested by SMUAP-MT to conduct an economic/cost analysis of various candidate sites for construction and operation of a Composition-B (Comp-B) facility. This facility was to have been designed to include four lines with a 7,500,000 lbs/mo/line capacity for production of Composition-B. In addition, only those sites which would have the potential to accommodate six lines, i.e., two additional lines, were considered as candidates. This study was completed by MUCOM-ORG and forwarded to SMUAP-MT on 2 July 1973.

The analysis resulted in excluding all but four of the proposed sites on the basis of cost and economics. Of the remaining sites—Longhorn AAP, Lone Star AAP, Newport AAP, and Milan AAP—Longhorn was determined to be the least—cost site. On the basis of these results the Comp—B Site Selection Committee evaluated these four sites on non-economic and non-quantifiable economic criteria. Milan and Lone Star AAP's were eliminated due to problems associated with water quality and availability. Employment, availability of fuel, and current production technology were among the factors used to differentiate Newport AAP and Longhorn AAP¹. The committee then endorsed Newport AAP as the recommended location of the proposed facility.

As a result of local economic impact because of reduction of military related production and the emphasis on joint service coordination of ammunition facility programs, an interest in potential sites other than those adressed in the 1973 study was indicated. This interest was formalized on 4 October 1973, when the CG, US Army Armament Command (ARMCOM) directed that Naval Ammunition Depots (NADs) be considered as potential sites for this facility. The Industrial Management Division (AMSAR-PPI) responded by initiating a study which included McAlester NAD, Hawthorne NAD, and Crane NAD, as well as Newport AAP. The Systems Analysis Office (AMSAR-SA) was then requested to conduct an economic/cost analysis for selection among these sites of the location for the Comp-B facility. It was specified that the analysis conform to the original MUCOM-ORG study in basic assumptions and method. The result of this request is the contents of this report which varies from the earlier study only in scope and some changes in reporting format.

¹DF from Composition-B Site Selection Committee, Subject (SMAUP-MT-C): Site Selection for a 4-line expandable to 6-line (7.5 million pound per month per line) Composition-B facility, dtd 1 June 1973.

Although the specifications for the study were directed at selection of a site for locating a Composition-B facility, it was recognized that this directive might be in conflict with guidance set forth by the Department of Army². The area of conflict was in determining the necessary requirements to justify expansion of Composition-B production capacity. As early as the first quarter of FY 74, it was noted that the expressed need for a Composition-B production base was being relaxed to two lines due to changes in quantity of rounds to be filled and the type of explosive used as fill, e.g., the incorporation of AMATEX for mobilization fill. With the publication of the Production Base Plan (PBP) for FY 75 (Retention Study)³ and the proposed mobilization-expansion criteria of the Production Base Analysis (PBA) for FY 76-80⁴, the requirement for Composition-B facility expansion was eliminated. This resulted from the assignment of Composition-B production exclusively to Holston AAP.

Recognizing that Composition-B was only one, although the preponderent product dependent upon RDX availability, the total problem of RDX/HMX production capacity was examined. When the Composition-B production was assigned to Holston the mobilization production requirements for other RDX/HMX products were left partially unsatisfied. Based on current retention policy (FY 75 PBP)³, there is a deficiency of the order of four lines; however, the proposed modernization and expansion policy (FY 76-80 PBA)⁴ reduces this deficiency to the order of two lines. Because of the changing requirements, products other than Composition-B were considered in this analysis as well as capacities of less than four lines.

PROBLEM STATEMENT

The Comp-B site selection study is to be expanded to consider Navy

Policy and Guidance for Preparation of Part 1 of the AMP, Change 1, (Para 9-4-2 DCSLOG), 18 June 1973.

³Production Base Plan for the FY 75 Planning Period, US Army Armament Command, Rock Island, Illinois, 31 Dec 1973.

⁴Production Base Analysis for the FY 76-80 Planning Period, US Army Armament Command, Rock Island, Illinois, (Currently in publication and subject to approval.)

Ammunition Depots as potential candidates for Comp-B production activity and perform an economic-cost analysis to aid in the selection of a site for construction of an RDX/Comp-B facility. This analysis is to be consistent with the analysis performed to support the original Comp-B site selection reported June 1973.

Evaluate the site selection problem in relation to changing mobilization requirements. This evaluation will consider the mix of RDX/HMX products as well as the facility capacity requirements.

SCOPE OF PROBLEM

O Sites Considered - Four candidate locations were specified for consideration in the study:

Newport AAP

McAlester NAD

Hawthorne NAD

Crane NAD

Crane NAD was eliminated as a potential site prior to start of the economic analysis because of negative response by the plant commander.

Mississippi Test Facility (MTF) was also included in the study to illustrate possible effects of expanding the number and location of the specified sites.

- O Type of Facility The facility was originally specified as a producer of Composition-B only. Subsequent analysis of Mobilization Requirements for the FY "76-80" time period led to consideration of a facility producing RDX/HMX products other than Composition-B.
- O Facility Capacity The original specification was for a four line capacity expandable to six lines. Each line was to be sized for a maximum production rate of 7,500,000 lbs of Composition-B or 4,500,000 lbs of RDX equivalent per month. The analysis of requirements led to further investigation of a two-line facility.

METHOD OF ANALYSIS

Requirements.

The planning for expansion of the munition production base is directed by the mobilization requirements. In general, the guidance provides that the base must be expanded to provide for Level II requirements and may be expanded to provide for Level III

requirements². The requirements for Composition-B and other RDX/HMX products were extracted from the FY 75 PBP³ and from the PBA for FY 76-80⁴ for these two levels. The Composition-B requirements could be obtained from a single schedule in these references. The requirement for the other RDX/HMX products, on the other hand, were composed of several schedules. The RDX/HMX content of these items were added together to determine the requirements for this product mix. The various compositions and their RDX/HMX content are outlined in Table 1.

TABLE 1. RDX/HMX PRODUCTS OTHER THAN COMPOSITION-B CONSIDERED

Explosive	RDX Content Percentage	HMX Content Percentage
Composition A3 A4 A5 A6 C4 Cyclotol 70/30 PBXN201 PBXN4 PBXN5	91.7 97.0 98.8 86.0 91.0 70.0 83.0 80.0	95.0

Site Selection.

General.

The investigation included analysis of costs peculiar to the candidate site and the associated cost of inbound and outbound transportation. Schematics of the material flow process are illustrated in Figures 1 and 2.

The construction and operational costs other than transportation are functions of the particular site under investigation and the facility labor, utility, and material requirements. The transportation costs, on the other hand, depend on the site investigated, the location of the materials, and destination of the products.

²Loc. Cit.

³Loc. Cit.

⁴Loc. Cit.

SUPPLIERS

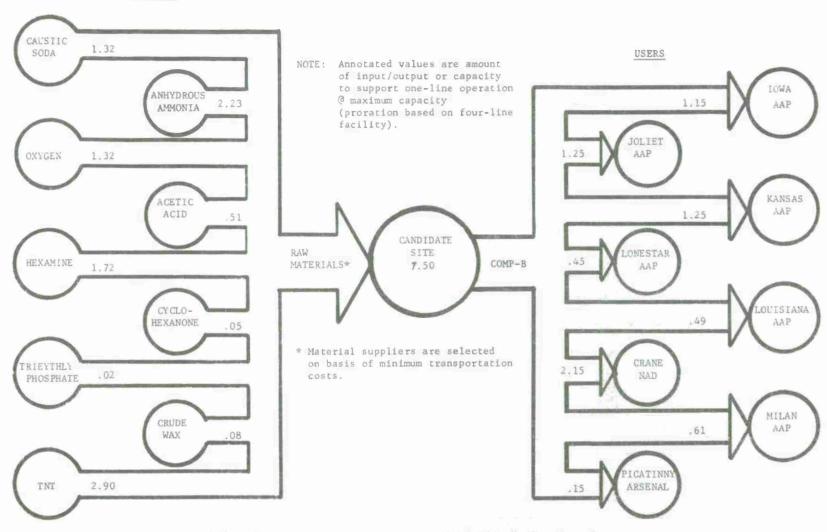


Figure 1. Schematic of Composition-B Model Distribution Network

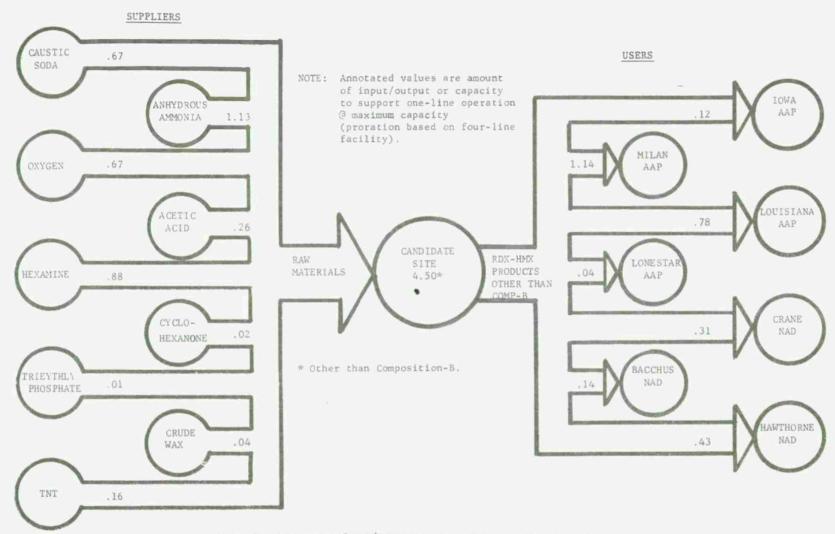


Figure 2. Schematic of RDX/HMX Products Model Distribution Network

The distribution of product was fixed among selected sites and, therefore, the outbound transportation was predefined for a given site and level of operation. The materials were selected from among several sources. Since the purchase cost of each material was undifferentiated among sources and the supply of material was unlimited within the scope of the problem, the selection of sources was determined exclusively by the minimum cost of transportation.

The study consisted of analysis of the following major cases:

Facility Capacity	Product Mix
° 4 lines	Composition-B only
0 2 lines	Composition-B only
0 4 lines	RDX/HMX Products*
° 2 lines	RDX/HMX Products*

*other than Composition-B

Within each of these cases, 125 operation schedules were evaluated. These schedules were defined by dividing the 10-year duration of operation, i.e., years 3 through 13 (construction was assumed to take place in the first 3 years) into three time periods. These time periods consisted of years 4 through 7, years 8 through 10, and years 11 through 13. In each of these periods, operation was varied from 0 to full capacity in the following increments: 0%, 25%, 50%, 75%, and 100% of the maximum production rate. All combinations of these production levels among the three time periods were analyzed. Table 2 is an outline of this procedure.

The method followed was exhaustion enumeration of each site at all 125 levels of operation for each facility-product mix case. The computations are explained below. The program flow charts are illustrated in Figure 3.

TABLE 2. CALCULATIONS PERFORMED FOR EACH SITE-FACILITY-PRODUCT MIX CASE

Phase	Construct Amount of Investment (Percenta	Total Spent	Perc A		Operation 1 of Operat of Maximum B	
Period-Year	1 2	3	4 5	6 7	8 9 10	11 12 13
Level of Expenditure or Operation Considered	20% 40%	40%	100 75 50 25 0	% % %	100% 75% 50% 25% 0%	100% 75% 50% 25% 0%
Calculations	Fixed for calculatio		with	level all ina- s in	Each lev with all combina- tions in A&C	with all combina-

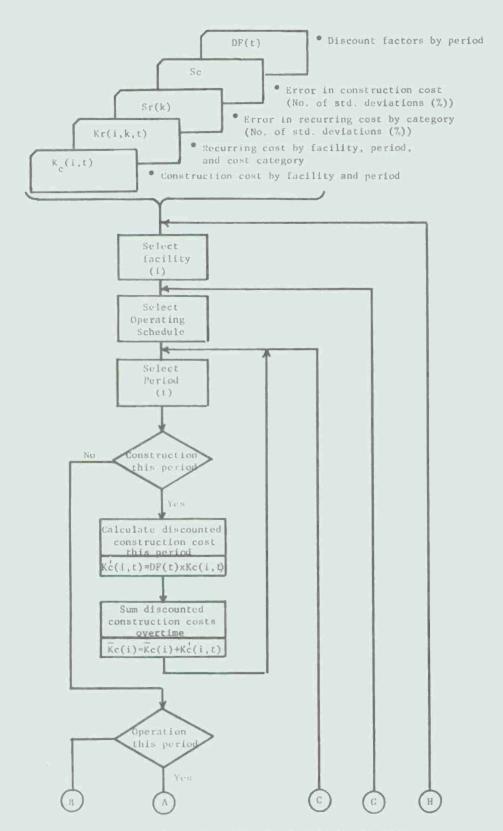


Figure 3. Generalized Flow Chart of Model (1 of 5)

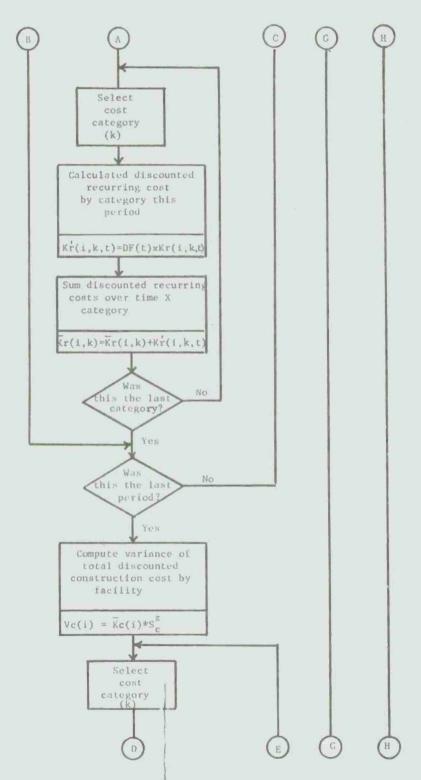


Figure 3. General) ed Flow Chart of Model (2 of 5)

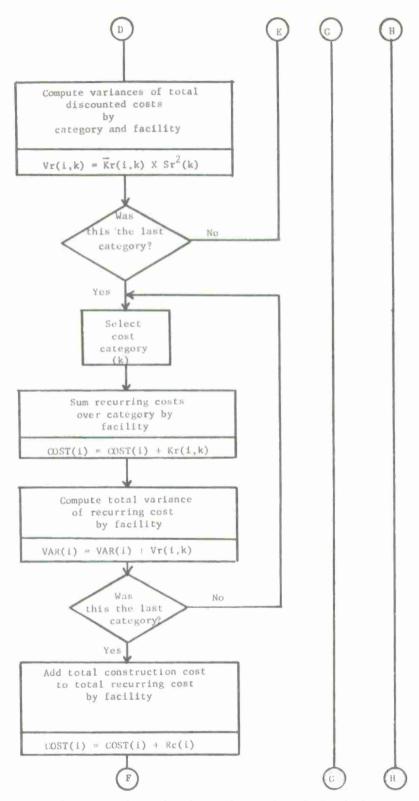


Figure 3. Generalized Flow Chart of Model (3 of 5)

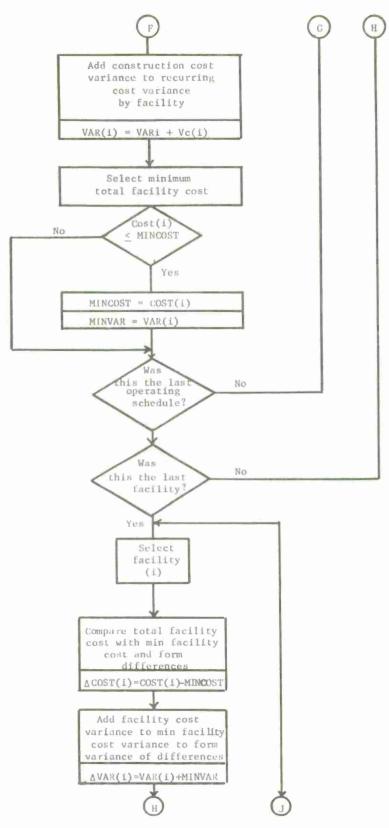


Figure 3. Generalized Flow Chart of Model (4 of 5)

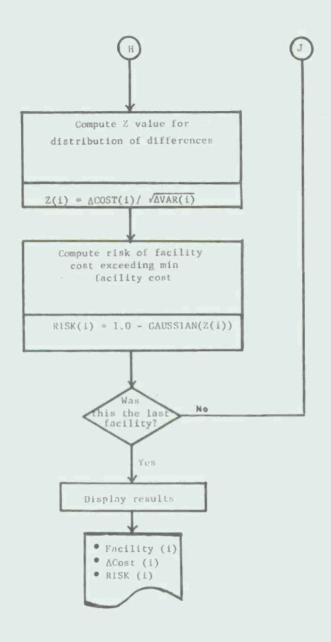


Figure 3. Generalized Flow Chart of Model (5 of 5)

Model Logic.

Nominal Cost Ranking. The various sites were ranked according to present value of the total costs for various combinations of facility-capacity and product mix and for the 125 levels of operation. These costs were computed by addition of the point estimates assigned to each of the cost categories. The categories considered were as follows:

- O Construction
- O Materials (direct)
- O Labor (direct and supervisory)
- O Utilities (direct)
- O Transportation (outbound and inbound)

The present value cost was expressed as:

$$C_{t,j} = \sum_{i \in I} C_{i,j}$$
 for all $j \in J$ (1)

where

Ct, i = total present value cost at site/facilities

 $C_{i,j}$ = present value cost of category i at facility j

I = set of cost categories

J = set of site-facilities

Risk Analysis (Cost). The risk of erring in the choice of the least cost site, if the site with the lowest present value cost is selected, was computed at various production levels for each facility-product combination. Candidate sites were compared, one at a time, with the site exhibiting the lowest present value cost. The risk associated with selection was dependent upon the uncertainties associated with the estimated costs. Since the degree of uncertainty was not explicitly provided as part of the input data, the level of uncertainty was assumed subject to the approval of the study action officer. A tolerance expressed as a plus or minus (1) value about the point estimate was assumed for each cost category. This of the 95% confidence level. The normal distribution was assumed. The uncertainty in each individual cost component was formulated as a "statistical" variance computed as follows:

$$v_{i,j} = \left(\frac{c_{i,j} * f_{i}}{r}\right)$$
 (2)

where

C_{i,j} = present value cost of category i at site-facility j,

V_{1,j} = variance about cost category i at site-facility j,

f = tolerance about cost category i,

r = number of standard deviations associated with "f".

The variance about the total nominal cost at each site-facility was expressed as the sum of the variances, assuming independence of the various cost categories. This relationship was expressed as follows:

$$V_{j} = \sum_{i \in I} V_{i,j} \qquad \text{for all } j \in J$$
 (3)

where

V = the variance about the nominal total cost at sitefacility j,

v_{i,j} = the variance about cost category i at site-facility j,

I = the set of cost categories,

J = the set of site-facility combination.

The probability distribution of the cost difference between two sites, one of which was the nominal least-cost site, was analytically determined. The mean value was expressed as the difference of the individual means as follows:

$$\Delta C *_{j} = C_{j} - C *$$
 (4)

where

ΔC*_j = cost difference of cost at site facility j less the cost at the least-cost site,

C* = mean (nominal) cost at the nominal least-cost sitefacility,

 C_{i} = mean (nominal) cost at site-facility j.

The standard deviation about the mean cost difference ($\Delta C *_j$) was computed:

$$\sigma_{*j} = \sqrt{\sigma_{*}^{2} + \sigma_{J}^{2} + 2\chi\rho\chi\sigma_{j}\chi\sigma_{*}}$$
 (5)

where

 σ = the standard deviation,

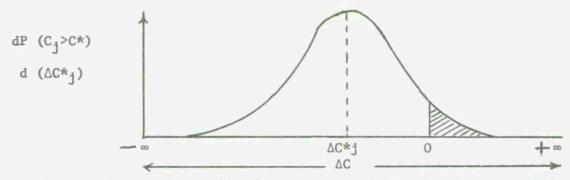
ρ = the coefficient of correlation.

This expression reduces to:

$$\sigma_{*,j} = \sqrt{\sigma_*^2 + \sigma_j^2} \tag{6}$$

when the costs are assumed to be independent, i.e., $\rho=0$ and the expression $\rho\chi\sigma_*\chi\sigma\longrightarrow 0$

The risk of error in choosing the least-cost site if the nominal least-cost site is selected is then determined by integrating the probability density function as defined by parameters: mean = $\Delta C *_{j}$, and standard deviation = $O*_{j}$, between the limits ΔC = 0 and ΔC = $+\infty$ (as shown below).



Sensitivity Analysis (Cost). The sensitivity analysis was conducted by varying the nominal values associated with the cost categories. As a computational expediant, the costs associated with the Newport AAP site were subjected to change. The changes were expressed as percentage changes in the Newport cost for a given category or categories. Newport was chosen as the reference for the sensitivity changes since it was nominally the least-cost site for all cases of facility capacity and product mix. After the adjustment of Newport costs, the calculation of nominal total cost analysis and risk were, again, conducted as described above.

Cost Considerations.

The construction cost was considered to be expended as follows:

- O 20% in year 1
- 40% in year 2
- O 40% in year 3

The remaining cost (recurring costs) were estimated at the maximum four lines production on an annual rate basis. These costs were prorated on the basis of production level for variations in operating level.

The costs were discounted at 10% per annum in accordance with AR $37-13^5$, to determine the present value as

$$PV = \sum_{t \in T} \frac{c_{j}, t}{2} X \left[\frac{1}{(1+i)^{t-1}} + \frac{1}{(1+i)^{t}} \right], \qquad (7)$$

where

PV = present value of the cash flow for site-facility j based on mid-year computation of discounting,

Cj,t = the sum of all cost categories for site-facility j
 in time period t,

i = the annual discount rate (in this problem i = 10%),

t = the time period,

T = the set of time periods, i.e., the time duration
 over which the project is evaluated (in this case
 T = 13 years: 3 years construction and 10 years
 operation).

The time frame was based on a project go-ahead at t=0 and summed over the total project time period (T=13 years).

The averaged cost of material, exclusive of transportation costs, was considered site to site. However, since it was realized that there could be real, but unknown, differences in site—to—site costs of the various materials, a statist cal variance was imposed on the average value to account for this unjertainty.

⁵AR 37-13, Economic Analysis and Program Evaluation of Research Management, April 1973.

Although the material costs did not contribute to the ranking based on present value costs; they were considered in calculating these costs since they were also used in computation of risks. This rational was applied to all materials except TNT.

TNT is a government furnished material (GFM), and its cost was considered not to be variable site to site. For this reason, no variance was applied to its cost and it was not considered in either computation of risk or present value cost.

The above treatment applied only to the purchase cost of material. The cost of transporting material, including TNT, was considered in the computation of cost and a variance on transportation cost was assigned to account for its uncertainty in computing risk.

The ability to treat total transportation costs proportional to production was a decided advantage in simplifying the construction of the model. This treatment was possible since it was shown that the total transportation cost was highly correlated with level of operation. The sum of inbound and outbound transportation costs at various levels of operation was computed as a fraction of total transportation cost for each site, facility and product combination. This sum was compared to the associated fraction of maximum operation. The linear correlation coefficient was computed from the Product-Moment formula. The resultant coefficients are shown below, based on five observations: 0, 25%, 50%, 75%, and 100% production levels.

Site	Product	Coefficient
Newport AAP	Composition-B	.9988
McAlester NAD	Composition-B	.9999
Hawthorne NAD	Composition-B	.9999
Newport AAP	RDX/HMX Products*	.9958
McAlester NAD	RDX/HMX Products*	.9997
Hawthorne NAD	RDX/HMX Products*	.9695

*exclusive of Composition-B

The confidence in the linearity and correlation with production level was subjected to the students "t" test. It was hypothesized that transportation costs and production level were not significantly correlated. For three degrees of freedom it was shown that the hypothesis was false at 1% significant level.

Based on the above computation and tests, the direct proportionality between transportation cost and production level was assumed.

The cost data used in the analysis of the two line facilities was estimated, using the four-line facility data as the basis for estimation.

The six-tenths power rule was used for scaling costs of chemical production facilities⁶.

i.e.,
$$\frac{c_2}{c_4} = \frac{Q_2}{Q_4}$$
 (8)

Maximum recurring costs were considered directly proportional to capacity,

i.e.,
$$\frac{C_2}{C_4} = \frac{Q_2}{Q_4}$$
 , (9)

where

C = cost value

Q = design capacity

2 = two-line facility

4 = four-line facility

The labor cost at each site was computed using the common requirements for direct (non-exempt⁷) and supervisory (exempt⁷) for a four-line facility and the direct and supervisory wage rates based on a forty hour week. Labor cost was considered to be proportional to production. The variation over and above that explained by this point estimate was considered by assigning a variance to account for uncertainty.

The cost of utilities was computed in a manner similar to labor cost. The computation of utility costs considered the common utility requirements and the utility rates applicable at the various sites for the four line facility. Utility costs were considered to be proportional to production. The variation over and above that explained by the point estimate of utility costs was considered by assigning a variance to account for this uncertainty.

Assumptions

⁶Chemical Engineer's Handbook, 4th Edition, McGraw and Hill Publishing Co.

⁷PL93-259, Fair Labor Standard Act.

- O Total cost variation from site to site are function of the following cost categories:
 - Construction
 - O Materials (direct)
 - O Labor (direct and supervisory)
 - O Utilities (direct)
 - O Transportation (inbound and outbound)
- O The process and the related labor, material and utility requirements would be equal among all sites.
- Chemicals are available at the location of the facility and transportation costs are insignificant except for those with limited producers; in which case, transportation costs are considered.
- O The relative differences between recurring costs would not vary with time.
- $^{\rm O}$ Variations of \pm 10% of the nominal value for construction, material, labor, and utility and \pm 15% for transportation are sufficient to describe the uncertainty in these estimates at 95% confidence.
- O All recurring costs are directly proportional to level of production for a given site-facility-product combination (see above discussion of Cost Consideration).
 - O There is no terminal values of the facilities.

DATA

Mobilization Requirements were obtained for Level II and Level III from the FY 75 PBP, 3 and advanced information from the FY 76-80 PBA 4 was obtained from AMSAR-PPI-W.

The facility parameters are:

- O line capacity (output)
- o staffing (input)

³Loc. Cit.

⁴Loc. Cit.

- o utilities (input)
- o material (input)

They were defined for a Composition-B and for other RDX/HMX products by AMSAR-PP-C via AMSAR-PP.

Cost data was obtained from various sources as described in Table 3. This cost data was applied to the facility parameters and the resultant study costs inputs are presented in Table 4 through 7 for the various product-facility-location combinations.

Detailed description of the data can be found in Appendix A.

TABLE 3. DATA SOURCES

Construction Costs

prepared for COE, Omaha District Office by A. M. Kinney, Inc.

O Material Costs

extracted from "Chemical Marketing Report", July 22, 1973 (except for Oxygen)

O Utility Costs

provided by Plant Operators/Contractors

O Labor Costs

provided by Plant Operators/Contractors

O Transportation Costs

provided by AMSAR-TMG (General Traffic Division)

TABLE 4. COMPOSITION-B SITE SELECTION--FOUR-LINE CAPACITY-INPUT
TO MODEL (Cost Given For Operation @ 100% Capacity)

Cost Category	e	Newport AAP	McAlester NAD	Hawthorne NAD
Construction	\$M	656.85	678.71	989.74
Materials	\$M/_YR	55.87	55.87	55.87
Utilities	\$M/YR	14.48	15.68	16.40
Labor	\$M/YR	12.04	12.68	13.11
Transportation	\$M/YR	7.41	10.73	26.65

TABLE 5. COMPOSITION-B SITE SELECTION--TWO-LINE CAPACITY--INPUT TO MODEL (Costs Given For Operation @ 100% Capacity)

Cost Category	e	Newport AAP	McAlester NAD	Hawthorne NAD
Construction	\$M	433.35	447.58	652.98
Materials	\$M/YR	27.94	27.94	27.94
Utilities	\$M/YR	7.24	7.84	8.20
Labor	\$M/YR	6.02	6.34	6.55
Transportation	\$M/YR	3.70	5.36	13.32

TABLE 6. RDX/HMX PRODUCTS^a SITE SELECTION--FOUR-LINE CAPACITY--INPUT TO MODEL (Costs Given For Operation @ 100% Capacity)

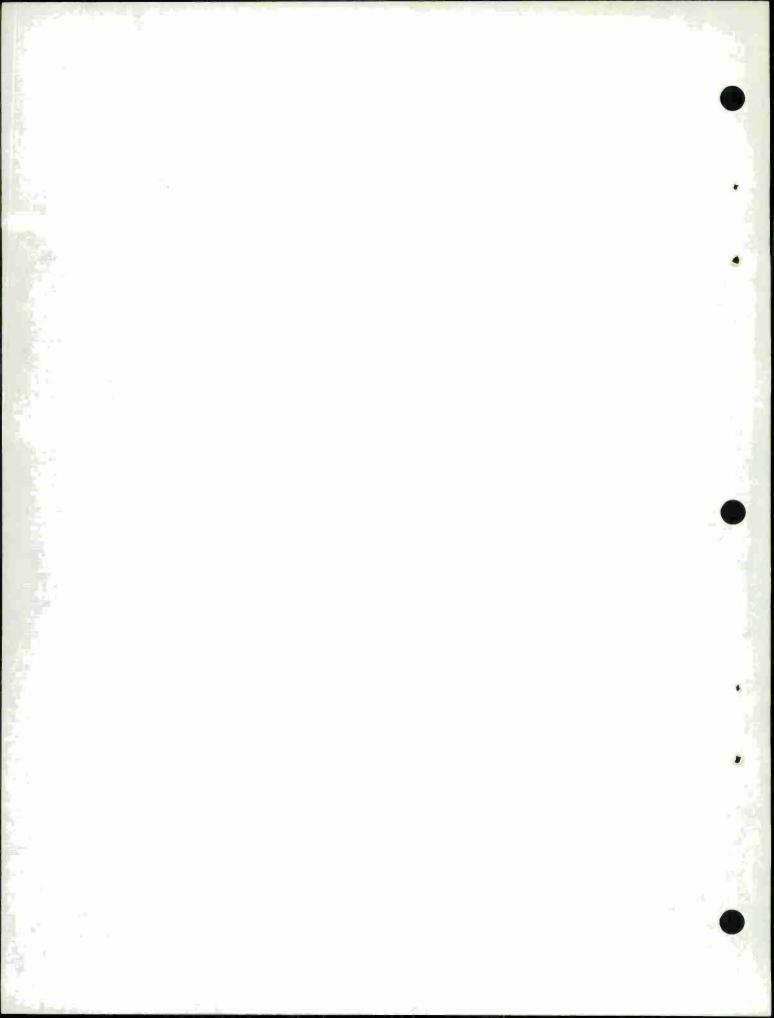
Cost Sit	e	Newport AAP	McAlester NAD	Hawthorne NAD
Construction	\$M	656.85	678.41	989.74
Materials	\$M/YR	40.76	40.76	40.76
Utilities	\$M/YR	14.48	15.68	16.40
Labor	\$M/YR	12.04	12.68	13.11
Transportation	\$M/YR	5.47	6.11	12.46

a Other than Composition-B

TABLE 7. RDX/HMX PRODUCTS^a SITE SELECTION-TWO-LINE CAPACITY-COST DATA RESOLVED BY CATEGORY FOR INPUT TO MODEL (Costs Given For Operation @ 100% Capacity)

Cost Category		Newport AAP	McAlester NAD	Hawthorne NAD
Construction	\$M	433.35	447.58	652.98
Materials	\$M/ YR	20.38	20.38	20.38
Utilities	\$M/YR	7.24	7.84	8.20
Labor	\$M /YR	6.02	6.34	6.55
Transportation	\$M/YR	3.23	3.05	6.23

^a Other than Composition-B



DISCUSSION OF RESULTS

REQUIREMENTS ANALYSIS

The comparison of mobilization requirements with assigned capacity was made for both product mixes: Composition-B and other RDX/HMX products for the two time frames: FY75 (retention)³ and FY '76-80 (modernization and expansion).⁴ The results of these comparisons are presented in Tables 8 through 11.

These comparisons indicate that there is no requirement for investment in Composition-B facilities as the Production Base is currently defined. Requirements for other RDX/HMX production facilities show need for investment from one to three lines based on the FY 76 thru 80 PBA. This is a reduction of two lines from FY 74 requirements.

In retrospect, previous PBA's did show requirements for additional Composition-B facilities. For example, the 1974 PBA requirements defined the need for two additional Composition-B lines.

TABLE 8. COMPOSITION-B REQUIREMENTS/ CAPACITY FY 75 (RETENTION)

Mobilization Level	II	III
Requirements, M Lbs/	38.77	53.70
Assigned Capacity, M Lbs/	59.00	59.00
Deficit, M Lbs/Mo.	excess	excess
Deficit, M Lbs/Mo.	excess	excess

³Loc. Cit.

⁴Loc. Cit.

TABLE 9. COMPOSITION-B REQUIREMENTS/CAPACITY FY 76-80 (MODERNIZATION/EXPANSION)

Mobilization Level	II	III
Requirements, M LBS/Mo.	24.3	31.9
Assigned Capacity M LBS/Mo.	29.0	29.0
Deficit, M LBS/Mo.	excess	2.9
Deficit, Equivalent Lines	excess	0

TABLE 10. RDX/HMX PRODUCTS OTHER THAN COMPOSITION-B REQUIREMENTS/CAPACITY FY 75 (RETENTION)

Mobilization Level	II	III
Requirements, \overline{M} LBS/ Mo .	19.24	27.57
Assigned Capacity, M LBS/ Mo.	4.21	4.21
Deficit, M LBS/Mo.	15.03	23.36
Deficit, Equivalent Lines	3	5

TABLE 11. RDX/HMX PRODUCTS OTHER THAN COMPOSITION-B REQUIREMENTS/CAPACITY FY 75-80 (MODERNIZATION/EXPANSION)

Mobilization Level	II	III
Requirements, aM Lbs/	24.1	31.3
Assigned Capacity, am Lbs/Mo.	20.0	20.0
Deficit, aM Lbs/Mo.	4.1	11.3
Deficit, Equivalent Lines	1	3

^aEquivalent RDX measure (HMX adjusted by 9/1)

SITE SELECTION ANALYSIS

General

The objective variable is the total discounted cost at each candidate location. The total discounted cost includes the construction, material, utilities, labor, and transportation costs. Results are presented for the two levels of facility capacity: four-line capacity and two-line capacity, and for two facility out-puts; Composition-B and other RDX/HMX products. In addition to the specified candidates-Newport AAP, McAlester NAD, Hawthorne NAD and Crane NAD; the Mississippi Test Facility Site (MTF) was considered to illustrate the sensitivity of results to possible expansion of the scope of the problem.

Presentation of results include the following:

Comparison of Cost Breakdowns

Comparison of Total Nominal (Expected) Costs

Risk of Not Choosing the Least Costly Location

Sensitivity of Total Cost and Risk to Variation in Individual Costs at Particular Locations

Table 12 is an outline of the results illustrated in this section.

Elimination of Crane NAD

Crane NAD was eliminated from consideration because of negative response by Crane Management to an inquiry as to availability and interest in this project.

Cost Breakdown (Table 13)

Results of the following six cases at Newport AAP are examined:

- A four-line Composition-B plant at 100% production.
- A four-line Composition-B plant at 50% production
- A two-line Composition-B plant at 100% production
- A four-line RDX/HMX plant at 100% production
- A four-line RDX/HMX plant at 50% production
- A two-line RDX/HMX plant at 100% production

	Subject	Capacity (lines)	Operating Level(s)	Duration of Operation (years)	RDX-HMX 4	Comp-B	Hawthorne con McAlester con Newport con Other	Remarks	Illustration
					<u>K</u>	0	Haw McA New Oth		
	Cost	2,4	2,4	10	X	X	XXX		Table 13
39	Cost Comparison	4 2 4 2 2,4 4	1,2,3,4 1,2 1,2,3,4 1,2 1,2,3,4 1,2,3,4	10 10 10 10 10	X X X X	X X	X X X X X X X X X X X X X X X	1	Figure 4 Figure 5 Figure 6 Figure 7 Figure 8 Figure 9
	Risk Analysis	4 2 2,4 4	1,2,3,4 1,2 1,2,3,4 -1,2,3,4	4,7,10 4,7,10 10 10	X X X	X X X	X X X X X X X X X		Figure 10 Figure 11 Figure 12 Figure 13
	Sensitivity Analysis	4 4 4	1,2,3,4 1,2,3,4 1,2,3,4	10 10 10			X X X X X X	2 3 4	Figure 14 Figure 15 Figure 16

Note 1 expansion of problem to include MTF

Note 2 variation in construction cost

Note 3 Variation in sum of recurring cost

Note 4 variation in individual recurring cost

TABLE 13. BREAKDOWN BY COST CATEGORY FOR VARIOUS TYPES OF FACILITIES AND OPERATING LEVELS-TEN YEARS CONTINUOUS OPERATION, PERCENT OF TOTAL PROJECT COST AT NEWPORT AAP (DISCOUNTED 10% PER ANNUM)

	Product	COMP-B	COMP-B	COMP-B	RDX/HMX	RDX/HMX	RDX/HMX
FACILITY TYPE	Capacity	4 Line	4 Line	2 Line	4 Line	4 Line	2 Line
& OPERATION	Operating Level	4 Line (100%)	2 Line (50%)	2 Line (100%)	4 Line (100%)	2 Line (50%)	2 Line (100%)
go en	Constrct'n	56.27	77.02	62.98	61.06	75.82	67.44
COST	Materials	27.21	17.41	23.04	21.52	13.36	18.00
CATEGORIES	Utilities	7.05	4.51	5.97	7.65	4.75	6.39
	Labor	5.86	3.75	4.96	6.36	3.95	5.32
	Transpt'n	3.61	2.31	3.05	3.42	2.12	2.85
	TOTAL	100.00	100.00	100.00	100.00	100.00	100.00

The proportional relationship to total discounted cost of each category for the six cases are presented. This breakdown indicates that construction costs are preponderant, in all cases being greater in magnitude than the sum of all other costs. The selection of the least costly site is heavily influenced by construction costs.

Of the remaining recurring costs, the cost of materials is the greatest in magnitude, exceeding the sum of the remaining recurring costs. Transportation cost is least in magnitude at approximately 3% or less of the total cost.

The construction cost and recurring costs were quantitatively and individually examined in the sensitivity analysis.

Ranking of Present Value Costs

The three specified candidate sites were compared on the basis of present value costs for various levels of operation, facility capacity and type of product. Examination of Figures 4 through 7 reveal that Newport AAP is nominally the least costly location among those specified as candidates. However, the McAlester NAD cost exceeds the Newport AAP cost by only approximately 5%. Hawthorne NAD cost, on the other hand, exceeds the Newport AAP costs by approximately 50% at the zero production level (shutdown) to approximately 35% at the full production (fourline, 100%) level. This difference (Hawthorne NAD cost compared to Newport AAP cost) is of great enough significance to eliminate Hawthorne NAD from contention, as was shown more conclusively in the risk analysis. The relative cost differences between the four- and two-line capacity facilities and between Composition-B and other RDX/HMX products output are illustrated in Figure 8 for the Newport AAP and McAlester sites. The differences in cost for producing Composition-B and other RDX/HMX products ranges from 5% (based on the other RDX/HMX products) at full capacity (100% production four lines or two lines as applicable) to zero production (the shutdown condition). The latter result is obvious since the only costs considered were construction costs which were equal for facilities producing either product mix. The relative costs of the twoline facility was approximately 34% less than the costs of the four-line facility. This results from application of the 6/10 power rule for sizing the facility capacity.

In order to examine some possible results which might be obtained if the restriction on number and location of sites were relaxed, the Mississippi Test Facility (MTF) was compared with Newport AAP and McAlester NAD on the discounted cost basis. Figure 9 illustrates the relationship of the nominal (expected) costs among these sites. This comparison revealed that the MTF costs would be approximately 85% of the Newport AAP costs.

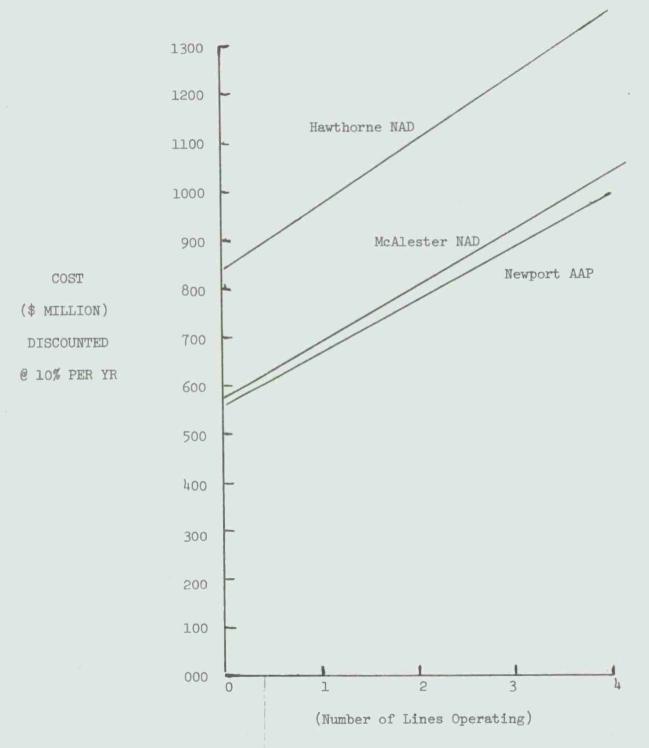


Figure 4. Composition-B Site Selection--Four Lines Expandable to Six Specified (andidate Sites (Nominal Discounted Cost for 13 Year Program)

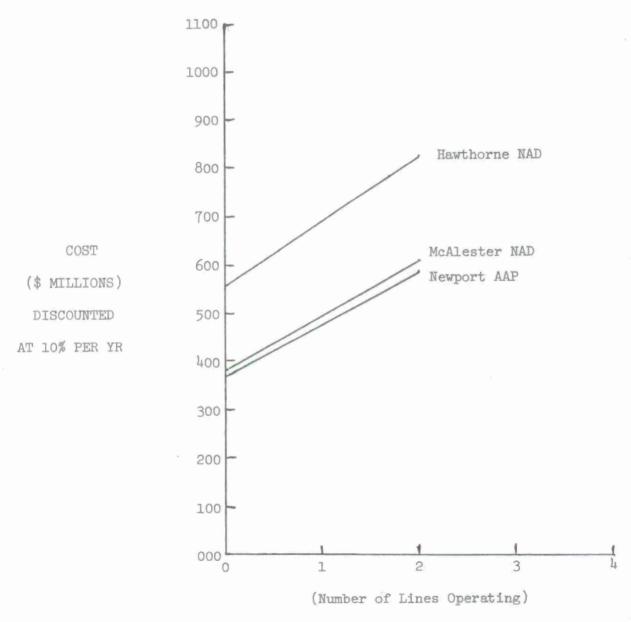


Figure 5. Composition-B Site Selection--Two Lines Expandable to Six Specified Candidate Sites (Nominal Discounted Cost for 13 Year Program)

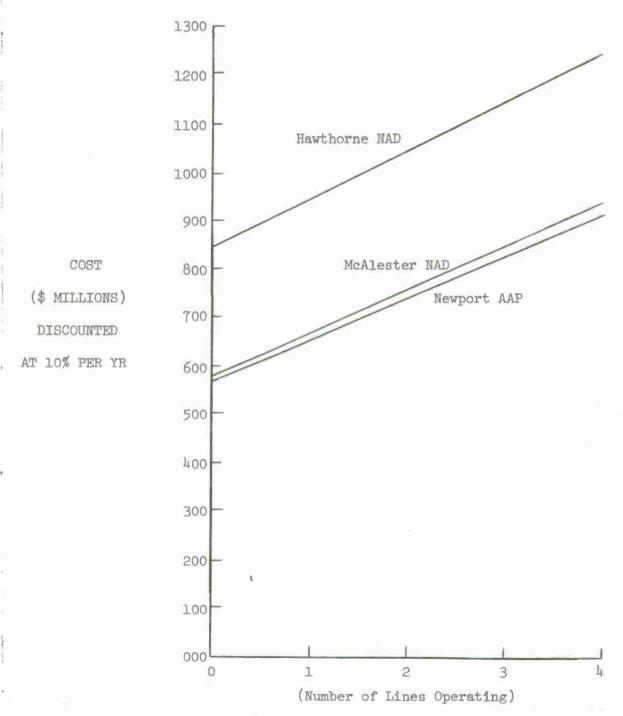


Figure 6. RDX/HMX Products* Site Selection--Four Lines Expandable to Six Specified Candidate Sites (Nominal Discounted Cost 13 Year Program)

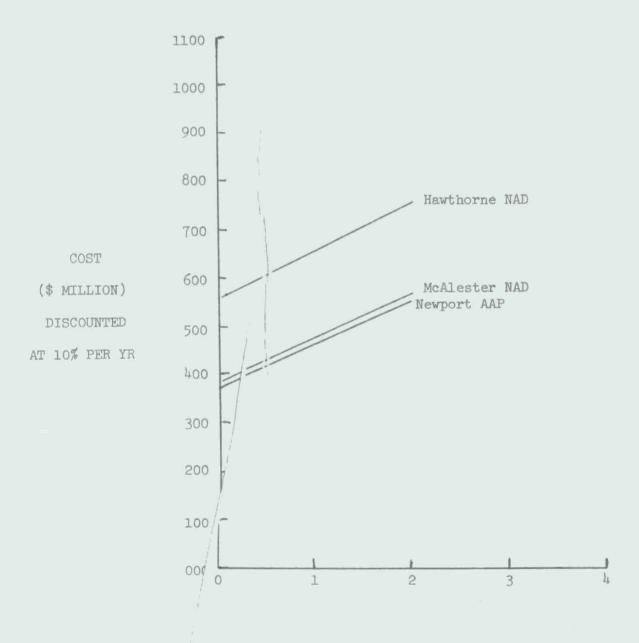


Figure 7. RDX/HMX roducts* Site Selection--Two Lines Expandable to Six Sperfied Candidate Sites (Nominal Discounted Cost For 13 (ar Program)

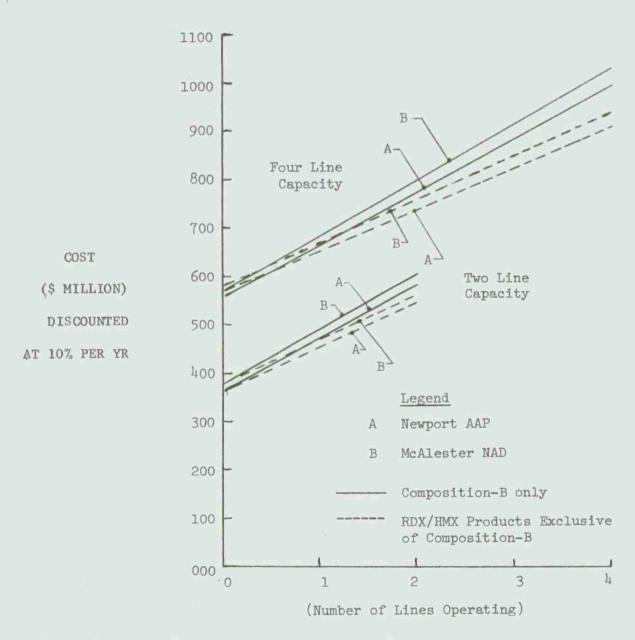


Figure 8. RDX/HMX Product Site Selection--Comparison of Four-Line and Two-Line Facilities--Composition-B Only and Other RDX/HMX Products (Nominal Discounted Cost for 13 Year Program)

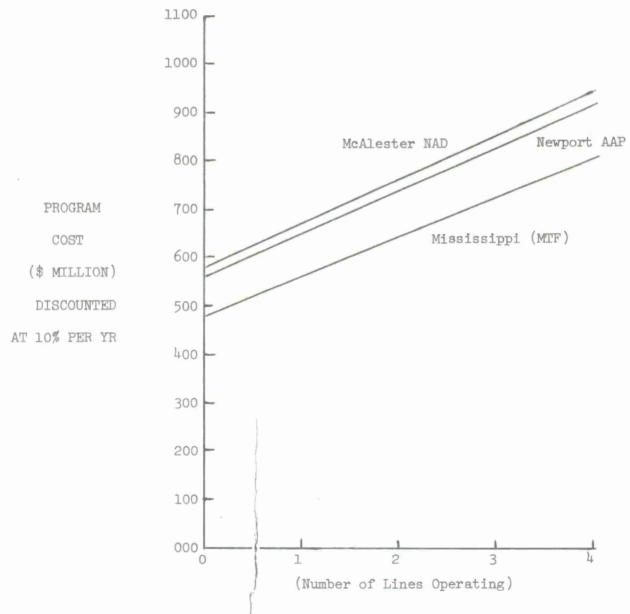


Figure 9. RDX/HMX Products* Site Selection--Four Lines Expandable to Six Best Candidate Sites Compared With MTF (Nominal Discounted Cost for 13 Year P ogram)

(*exclusive of Com osition-B) 47

Risk Analysis

The risk of erring in the choice of the least costly site if the nominal least-cost site was selected, (i.e., Newport AAP), was analyzed for McAlester NAD and Hawthorne NAD, each individually compared to Newport AAP. The results obtained indicated that there was virtually no risk in choosing Newport AAP over Hawthorne NAD on a cost basis. (Any risk incurred was beyond the precision of the Risk Analysis Program). On the other hand, the risk of choosing Newport AAP over McAlester NAD on a cost basis was 33% at zero production (shut down case) to approximately 16% at full production (100%) over 10 years for the four-line Composition-B facility as illustrated in figure 10. For manufacture and distribution of RDX/HMX products other than Composition-B the risk varied less and ranged from 33% to 28% for the same range of operating levels. Reduction in total output, characterized by the duration of operation parameter, showed some variation but was within the over-all range of risk discussed above. These results are also shown in Figure 10.

Figure 11 is a presentation of the same risk except that it is for the two-line facilities. Again the same characteristics were observed: a risk of approximately 33% at zero production, deteriorating with the level of operation.

The comparative risk of the four-line facilities and the two-line facilities are illustrated in Figure 12 for the two products. There is very little difference in risk incurred when level of output is considered as the independent variable.

If the restriction on the selection of sites were relaxed to include MTF, the risk of choosing the most costly site would be represented by Figure 13. In this case MTF was the reference site since it was nominally the least-cost site for the Newport, McAlester, MTF set. Newport AAP and McAlester NAD were compared with MTF, using the assumed uncertainties in the various costs. For low levels of operation (shutdown to two lines operating), there would be a significant risk of choosing MTF over Newport AAP as the least-cost site. This risk ranges from approximately 29% to approximately 10%. For the higher levels of operation over the major portion of the ten year period, the risk would be less than 10%. However, for shorter durations of operation, for example, four years the level of operation would go to three lines before the risk would decrease to 10%.

The risk of choosing MTF over Hawthorne NAD as the least-cost site is moderate, ranging from 9% at shutdown to less than 1/2% at full production over the ten year operation period.

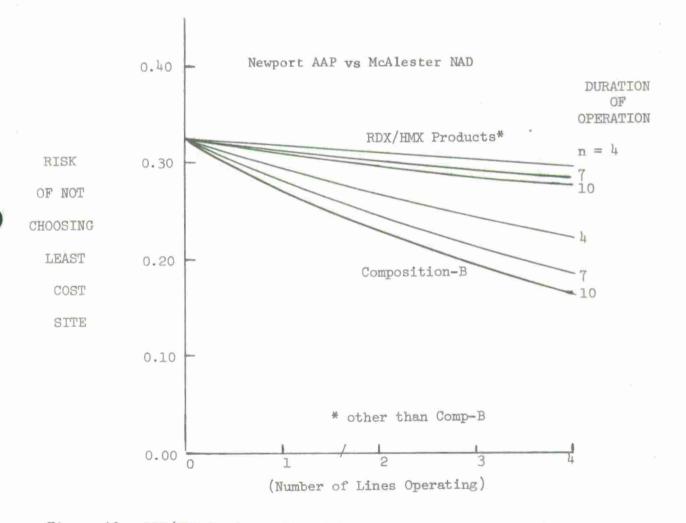


Figure 10. RDX/HMX Products Site Selection--Four Lines Expandable To Six-Risk of Erring in Choice of Least Cost Site If Newport AAP is Chosen Over McAlester NAD

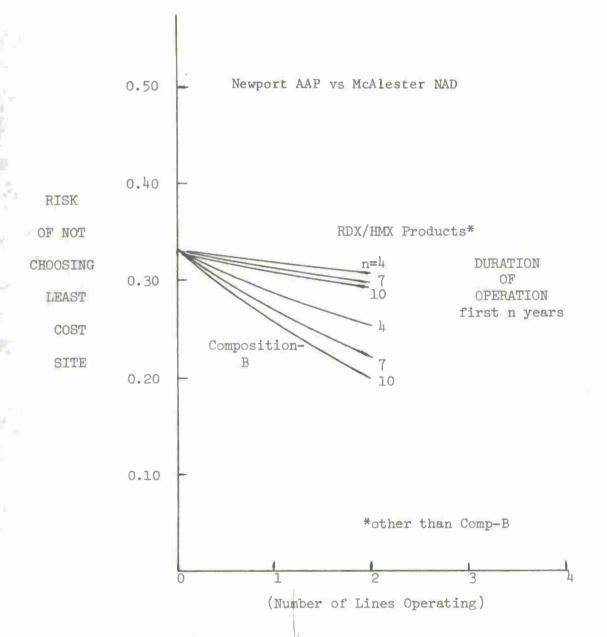


Figure 11. RDX/HMX Products Site Selection -- Two Line
Expandable to Sit Risk of Erring in Choice
of Least Cost Site If Newport AAP is
Chosen over McAlester NAD

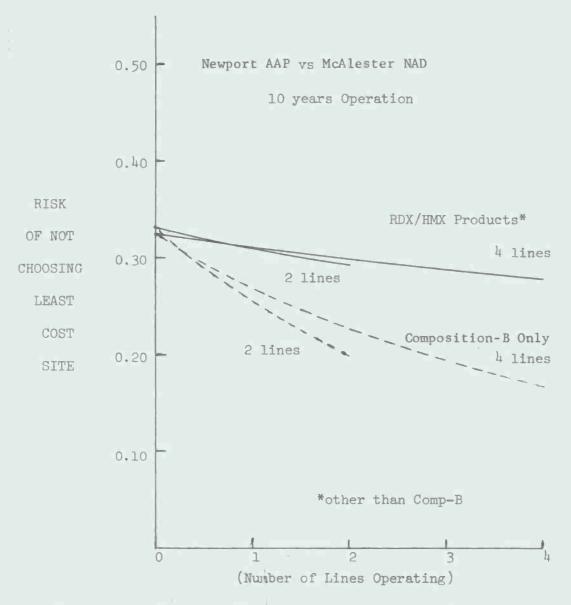


Figure 12. RDX/HMX Products Site Selection—Comparison of Four and Two Line Facility—Risk of Erring in Choice of Least Cost Site If Newport AAP is Chosen Over Malester NAD

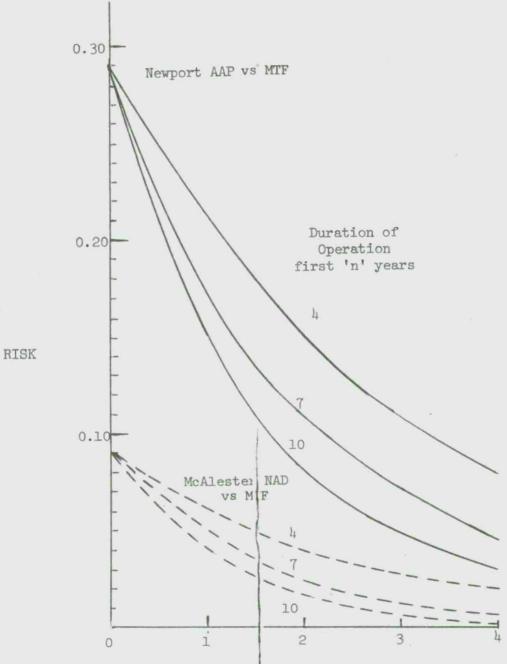


Figure 13. RDX/HMX Products Site Selection--Four Lines Expandable to Six--Risk of Erring in Choice of Least Cost Sit: If MTF is Chosen Over Either Newport AA' or McAlester NAD

Sensitivity Analysis

The sensitivity and risk of selection to relative changes in the various cost categories was analyzed for the McAlester NAD vs Newport AAP comparison. The sensitivity of results to changes in construction cost is presented in Figure 14. Changes of 5% and 10% in favor of McAlester NAD and in favor of Newport AAP are expressed as plus (+) or (-) percentages of the Newport construction cost, respectively. A change in construction cost of 5% or greater in favor of McAlester NAD would reverse the nominal least-cost ranking resulting in McAlester NAD being the least cost site. The risk at the 5% change would result in essentially indeterminate selection criteria (i.e., 50% risk or 50/50 chance of either being the least costly). The change of 10% in favor of McAlester NAD would result in basically exchanging Newport AAP and McAlester NAD in both ranking and the associated risks.

A change of 5% or greater in favor of Newport AAP, however, would indicate that Newport AAP was a reasonably safe choice at a risk less than 10%.

If all recurring costs were changed in the same manner, the results would be as shown in Figure 15. A 10% change in total recurring cost in favor of McAlester NAD would change the nominal ranking of Newport AAP and McAlester NAD for operating levels greater than approximately two to three lines. In any event, any change in total recurring costs in favor of McAlester NAD would only make the selection between Newport AAP and McAlester NAD less certain.

Changes in individual recurring cost categories favorable to McAlester NAD at a level equal to 5% of the associated Newport AAP costs are presented in Figure 16. At this level of change in individual costs, there is no reversal in order between McAlester NAD and Newport AAP over the operating range considered. Among these costs at this level, only material costs changes would increase the risks calculated at shutdown conditions.

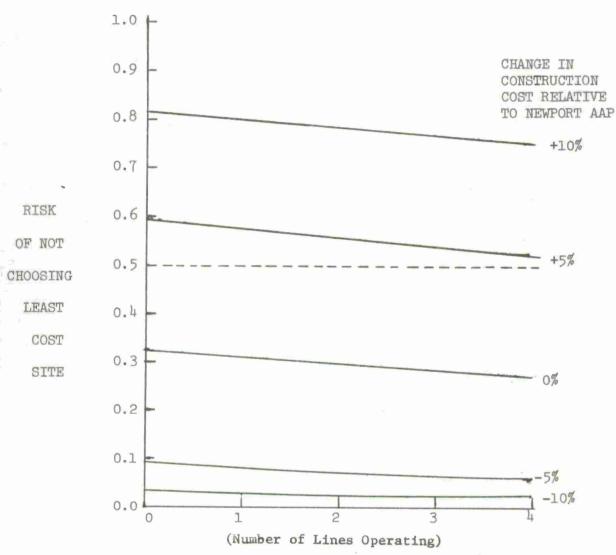


Figure 14. RDX/HMX Products* Site Selection--Four Lines
Expandable to Six--Sensitivity of Choice of
Least-Cost Site to Changes in Construction Cost

(*exclusive of Composition-B)

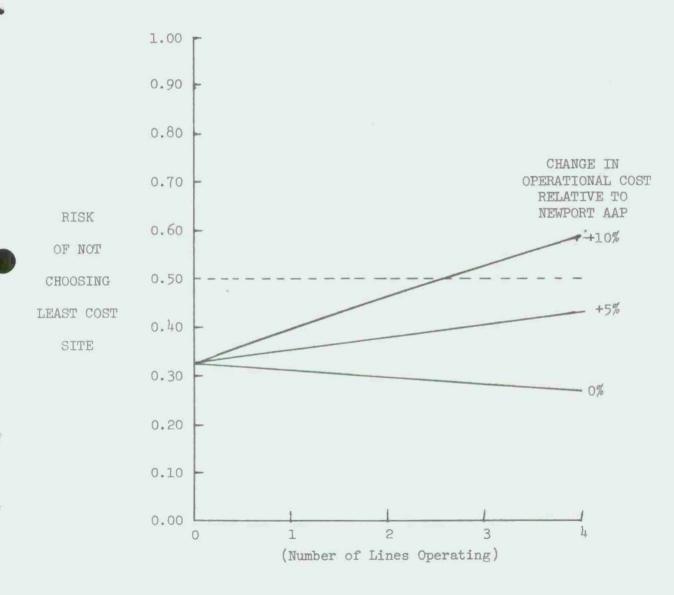


Figure 15. RDX/HMX Products* Site Selection—Four Lines
Expandable to Six—Sensitivity of Choice of
Least Cost Site to Changes in Operational Cost

(*exclusive of Composition-B)

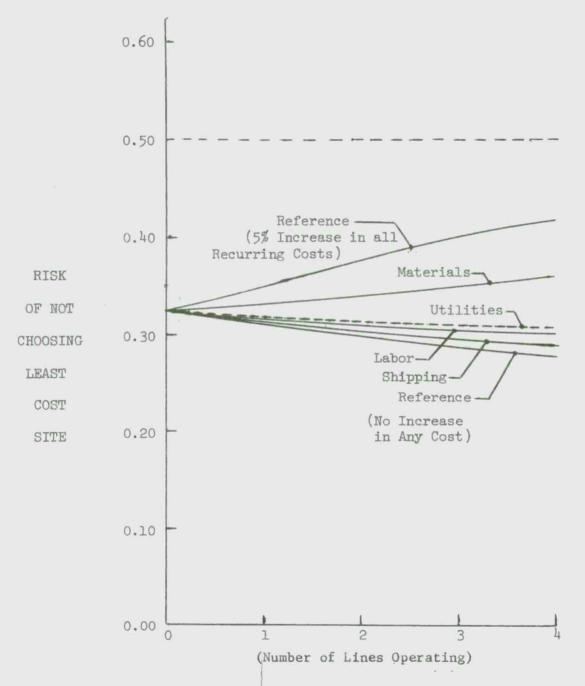


Figure 16. RDX/HMX Products Site Selection--Four Lines Expandable to Six --Sensitivity of Choice of Least Cost Site to a +5% Change in Individual Operational Costs Relative to Newport AAP

(*exclusive of C(mposition-B)

SUMMARY OF RESULTS

There is a requirement to expand RDX/HMX production capacity by one to three lines.

Of the specified candidate sites, Newport AAP ranks first on the basis of nominal least-cost for all levels of operation - product mix and facility capacities considered.

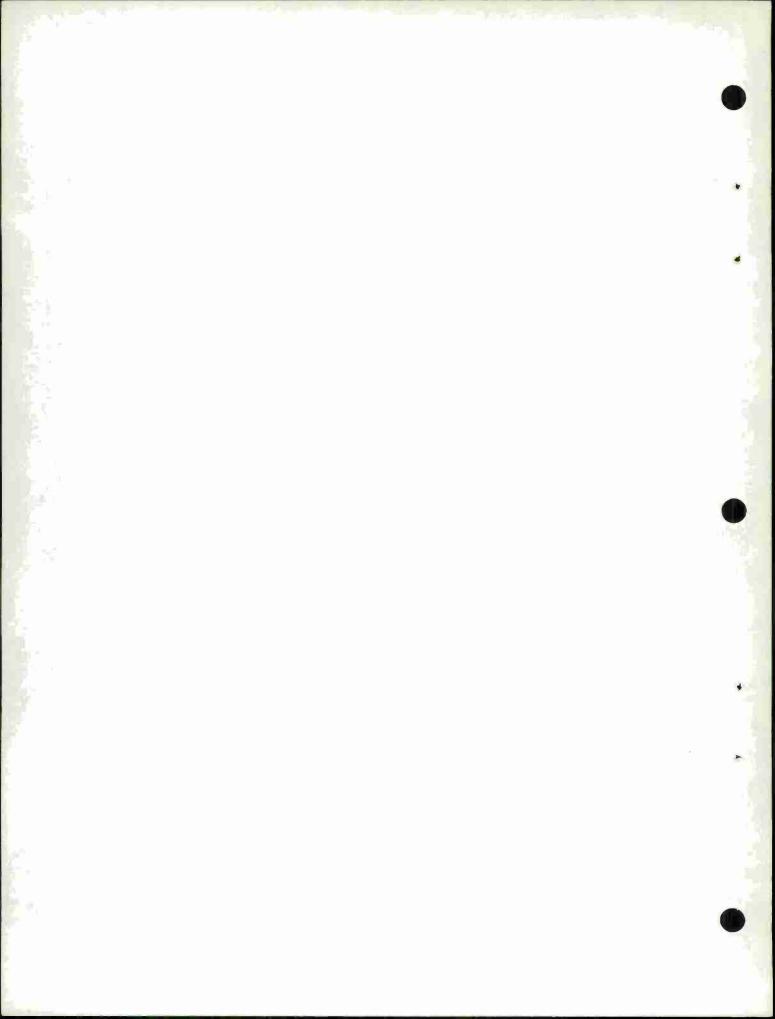
There is no measurable risk of making an error in choosing Newport AAP over Hawthorne NAD as the least-cost site.

There is a significant risk of erring in choosing Newport AAP as the least-cost site over McAlester NAD. This risk ranges between 27% for continuous four-lines operation and 33% if the facility is built and immediately shut down and is based on production of RDX/HMS production other than Comp-B.

A change of construction cost differential equal to 5% or more of Newport AAP construction cost and in favor of McAlester NAD will result in McAlester NAD being the nominal least cost site. With this increase in construction cost in favor of McAlester, the risk of erring in choosing the least-cost site increases.

Changes in operations cost in favor of McAlester could influence the nominal cost ranking. A 10% change, based on Newport costs, in all recurring cost could result in McAlester NAD being the nominal least-cost site for continuous operation exceeding two lines. However, this is associated with a high risk of erring in the choice of the least-cost site.

If Mississippi Test Facility is included (expansion of problem), it would be selected as the nominal least-cost site. However, the risk of not choosing the least-cost site when compared with Newport at expected levels of operation would exceed 10%. However, if MTF were chosen over McAlester, the risk of erring would not exceed 10%.



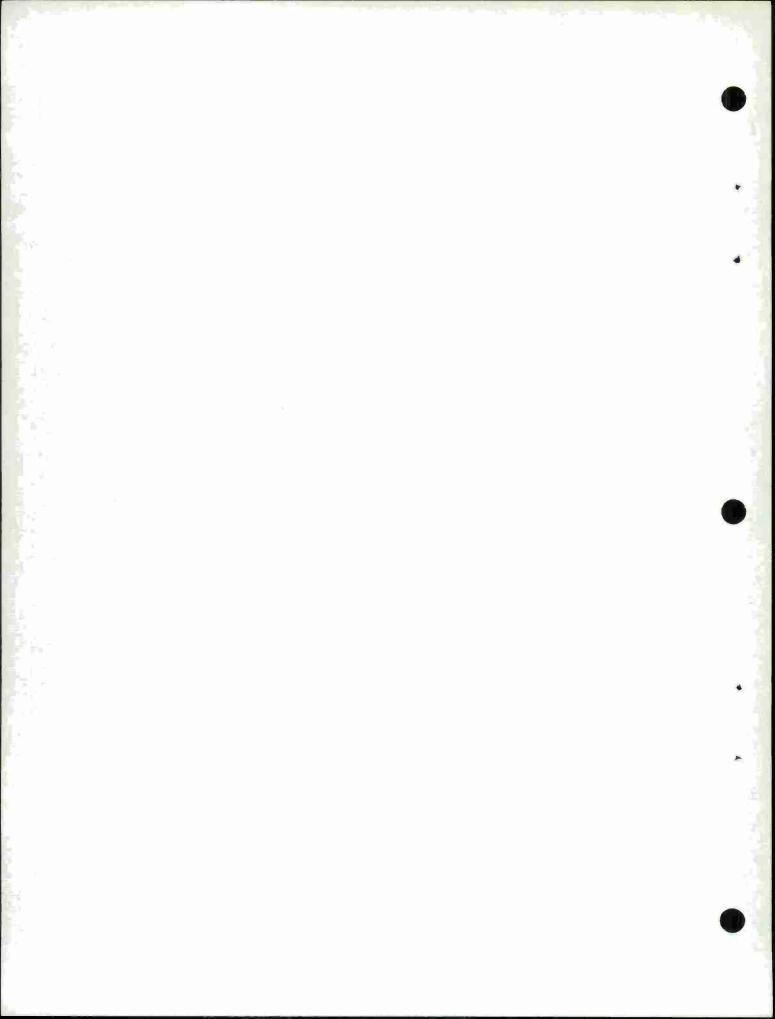
CONCLUSIONS

Within existing guidelines the production base for RDX/HMX products can be expanded by one to three lines.

Given the specified candidate sites - Newport AAP, McAlester NAD, and Hawthorne NAD:

- On the basis of cost, Newport AAP could be chosen with impunity over Hawthorne NAD.
- O The sensitivity to construction cost and the risk of erring in the choice of the least-cost site indicates that factors other than economics and costs should be considered in the choice between Newport AAP and McAlester NAD.

If the problem is expanded by including locations other than those specified, e.g., Mississippi Test FAcility, there is a reasonable chance that such locations would be contenders and would have an acceptable risk of error when compared to either McAlester NAD or Hawthorne NAD.



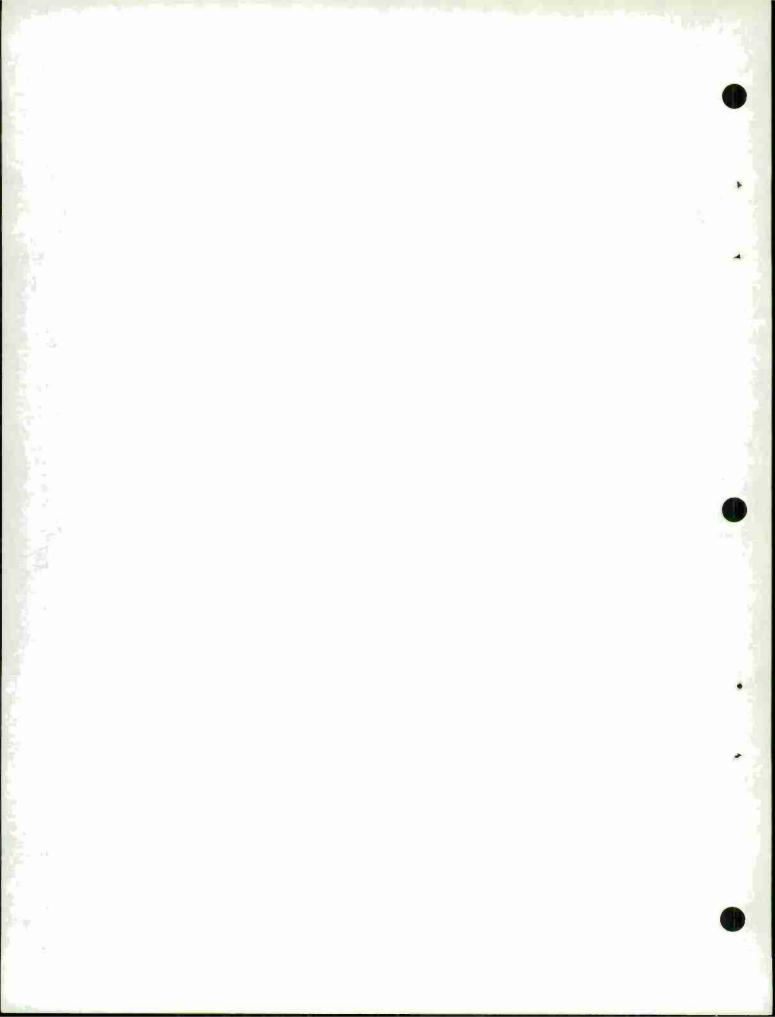
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APPENDIX A

DATA



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REQUIREMENTS - INPUT

The array of explosive compositions utilizing RDX and HMX in their composition was the basis upon which the requirement to justify the proposed lines were based. Table A-4 is a presentation abstracted from the current PBA's for retention (FY 75) and modernization and expansion (FY 76-80) (references 3 and 4). In the analysis, the requirements for Composition-B were treated separately and independently from the other RDX/HMX products.

FACILITY PARAMETERS

For purposes of this study, parameters defining the facility were:

- O Product Mix
- O Number of Lines
- O Line Capacity
- O Material Requirements
- O Utility Requirements
- O Labor (Staffing) Requirements

The study considered the first two of these parameters in their various combinations as separate cases for analysis. These were as follows:

- O Composition-B Four Lines
- O Composition-B Two Lines
- Other RDX/HMX Products Four Lines
- Other RDX/HMX Products Two Lines

The latter four parameters were considered on a per line basis and not varied in the analysis.

The line capacity were expressed as the following rates:

- 7,500,000 lbs Composition-B per line/per month or
- 4,500,000 lbs equivalent wt RDX per line/per month

One 1b HMX production was considered equivalent to nine 1bs RDX production.

The unit line requirements for staffing, utilities, and materials are presented in Tables A-5, A-6, and A-7 respectively. Material requirements are further defined with respect to various products.

COST DATA

Construction.

Cost data is site dependent and is broken down as fixed (investment) costs and recurring (operational) costs.

Table A-8 is the cost summary provided for the Army Corps of Engineers (COE) Omaha District office by A. M. Kinney, Inc. The bottom line (total) is the construction costs used in the study for the specified candidate sites. Where Mississippi Test Facility (MTF) was included; the construction cost was adjusted, using Indicies obtained from AR 415-17, 6 Aug 73¹⁰, and using Newport AAP as a basis.

¹⁰AR 415-17, Empirical Cost Estimates for Military Construction and Cost Adjustment Factors.

REQUIREMENTS - OUTPUT

The output requirements were defined by AMSAR-PPW-MPC for Composition-B and for other RDX/HMX products.

The requirements for Composition-B are shown in Table A-1.

The requirements for other RDX/HMX products are shown in Table A-2; requirements for RDX/HMX when adjusted to a four line facility are shown in Table A-3.

TABLE A-1. DISTRIBUTION OF COMPOSITION-B (MILLIONS OF LBS/MO)

OPERATING LEVEL USER	(4 Lines)	(3 Lines)	(2 Lines)	(1 Line)
Iowa AAP	4.600	3.450	1.500	0.750
Joliet AAP	5.000	3.660	1.500	0.750
Kansas AAP	5.000	4.500	2.250	1.125
Lone Star AAP	1.800	1.380	0.900	0.450
Louisiana AAP	1.943	0.460	0.300	0.150
Crane NAD	8.600	6.750	6.750	3.375
Milan AAP	2.457	1.840	1.500	0.750
Picatinny Ars	0.600	0.460	0.300	0.150
TOTAL	30.000	22.500	15.000	7.500

⁸DF from AMSAR-PPI-B to AMSAR-PPW-MPC, Subject: Locations of Comp-B Users at Various Levels of Production, 15 Oct 1974.

⁹Unpublished Correspondence between AMSAR-PPI-B and AMSAR-PPW-MPC, Subject: Locations of Users of RDX/HMX Products other than Composition-B at Various Levels of Production, 3 Dec 1974.

TABLE A-2 DISTRIBUTION OF RDX/HMX (MILLIONS OF LBS/MO)

PRODUCT &	PERCENT OF NOMINAL PRODUCTION					
PRODUCT	USER	100%	75%	50%	25%	
RDX	Iowa Milan Louisiana Crane Hawthorne	0.30 2.90 2.00 0.70 1.10	0.20 2.10 1.50 0.50 0.80	0.10 1.50 1.00 0.40 0.60	0.10 0.80 0.50 0.20 0.30	
	SUBTOTAL	7.0	5.1	3.6	1.9	
нмх	Lone Star Crane Bacchus	0.10 0.10 0.30	0.10 0.10 0.30	0.05 0.05 0.30	0.05 0.05 0.30	
	SUBTOTAL	0.50	0.50	0.40	0.40	
HMX (RDX Equivalents)	SUBTOTAL	4.5	4.5	3.6	3.6	
RDX (Equivalent)	TOTAL	11.5	9.6	7.2	5.4	
Line Equivalents		2.5	2.1	1.6	1.2	

TABLE A-3. DISTRIBUTION OF RDX/HMX ADJUSTED TO A FOUR LINE FACILITY (MILLIONS OF LBS/MO)

USER & PRODUCT	OPERATING LEVEL	100% 4 Lines	75% 3 Lines	50% 2 Lines	25% 1 Line
RDX	Iowa Milan Louisiana Crane Hawthorne	0.47 4.54 3.13 1.10 1.72	0.28 2.95 2.11 0.70 1.12	0.13 1.87 1.25 0.50 0.75	0.08 0.65 0.41 0.16 0.25
HMX	Lone Star Crane Bacchus	1.41 (0.16)* 1.41 (0.16)* 4.30 (0.48)*	1.27 (0.14)* 1.27 (0.14)* 3.80 (0.42)*	0.56 (0.06)* 0.56 (0.06)* 3.38 (0.38)*	0.37 (0.04)* 0.37 (0.04)* 2.21 (0.25)*
RDX (Equ	ivalent)	18.00	13.50	9.00	4.50
RDX Only		10.96	7.16	4.50	2.96
HMX Only		(0.80)*	(0.70)*	(0.50)*	(0.33)*
Total Ac	tual Weight	11.76	7.86	5.00	3.29

All units in terms of RDX or RDX equivalent weights except * which are in terms of HMX weights.

TABLE A-4. RDX/HMX PRODUCTS MOBILIZATION REQUIREMENTS (MILLIONS LBS OF EXPLOSIVE PER MONTH)

PBA - STUDY	19 (RETE	75 NTION)	(MODERN) & EXPAI	
MOBILIZATION LEVEL	II	III	II	III
AMETEX			15.00	17.00
Composition A3	1.46	1.95	1.35	1.81
" A4	. 24	. 34	.16	.23
" A5	• 54	.70	.30	.39
" В	38.77	53.70	24.29	31.92
" C4	.83	1.03	1.84	2.10
Cyclotol 70/30	2.95	4.40	.63	.93
a _{HMX}	.01	.01	nil	nil
PBXN201	.01	.01	.92	1.38
PBXN4	.02	.02	-	-
PBXN5	nil	nil	.17	.19
PBXN6	-	-	1.19	1.78
a _{RDX}	.62	.81	1.20	1.70

 $^{^{\}rm a}$ explosive used in form of RDX or HMX all other explosives listed contain fractional parts of RDX/HMX.

TABLE A-5. STAFFING REQUIREMENTS -- MEN PER SHIFT PER LINE

PERSONNEL TYPE	Direct (non-exempt)	Supervisory (exempt)
No of men	40	8

TABLE A-6. UTILITY REQUIREMENTS FOR FOUR LINE COMPOSITION-B FACILITY

Water (gal/Comp-B)	Electricity (KWH/lb Comp-B)	Steam (1b/1b Comp-B)
28.31	.4370	28.67

TABLE A-7. MATERIAL REQUIREMENTS FOR ONE LINE CAPACITY

	REQUIREMENTS (1000 LBS)			
Chemical	Composition-Ba	RDXa	HMXb	
Caustic Soda	1,320	1,320	330	
Anhydrous Ammonia	2,225	2,225	556	
Oxygen	1,315	1,315	329	
Acetic Acid	513	513	129	
Hexamine	1,720	1,720	430	
TNT	2,900	-	-	
Cyclohexanone	47	47	12	
Triethyl Phosphate	22	22	5	
Wax	75	75	19	

a Abstracted from 1973 Composition-B Study (Reference 1)

b Estimate given by Dr. P. Lui - 5 December 1974

A. M. KINNEY, INC. CONSULTING ENGINEERS

SECTION IV - COST SUMMARY FOR PLANTS (MILLIONS OF DOLLARS)

No.	Item	Newport AAP	Hawthorne NAD	McAlester NAD
1.	Explosive Production Area	\$163.9	\$ 196.7	\$ 155.8
2.	Area "A" (Acetic Acid)	133.2	162.3	126.8
3.	"B" Line (Acetic Acid Cleanup)	30.4	37.7	28.9
4.	Nitric Acid Area	25.9	31.6	24.6
5.	Sodium Nitrate Area	5.23	6.38	4.97
6.	Aqueous Waste Treatment	9.28	11.13	8.82
7.	Cooling Tower Area	18.74	22.80	17.80
8.	General & Misc. (Bldgs. & Equip.)	11.72	14.27	11.14
9.	Raw Water Supply System	6.78	130.63*	28.65
10.	Potable Water System	0.26	0.60	0.48
11.	Raw Water System	3.69	10.13	9.33
12.	Filtered Water System	7.38	9.78	8.12
13.	Waste Treatment Lagoon System	1.76	3:28	1.26
14.	Sanitary Disposal System	0.02	0.44	0.41
15.	Process Material Piping Systems	0.74	0.65	2.13
16.	Steam Generation and Distribution	40.30	69.30	43.30
17.	Compressed Air System	0.54	0.69	0.56
18.		4.50	6.38	6.13
19.	Magazines	47.11	56.10	44.80
	Site Preparation	0.37	0.17	3.76
21.	Roads & Bridges	1.54	3.12	2.87
	Railroads & Bridges	4.06	6.05	4.16
23.	Replacement Facilities	0.60	0.43	0.23
24.	Real Estate Acquisition	0.05	_	0.05
	Subtotal	\$518.07	\$780.63	\$535.07
	15% Contingency	77.71	117.09	80.26
	Construction Cost	595.78	897.72	615.33
	5% S & A	29.79	44.89	30.77
	CWE	625.57	942.61	646.10
	5% Design Cost	31.28	47.13	32.31
	Total	\$656.85	\$989.74*	\$678.41

Plant water supply is not suitable without treatment. Estimated cost of necessary treatment facility is \$125.0M. Estimated cost of raw water supply system without treatment facility is \$5.63M. Thus, total estimated cost for Raw Water Supply System equals \$130.63M.

Wages and Salaries.

The direct and supervisory wages and salary were obtained from the contractor operators via AMSAR-PPI for the specified candidate sites. The wages and salaries were reduced to an hourly rate on the basis of a 40-hour week. The fringe benefits were also provided by the contractor - operators. Where Mississippi Test Facility was included, the wage/salary rate was based on 90% of Louisiana AAP rates as of June 1973 and adjusted by the acceleration of non-agriculture labor rates for Mississippi from September 1973 to September 1974. The use of the factored Louisiana rates was abstracted from data prepared for the "60mm-81mm Mortar Round Site Selection Study". This data is presented in Table A-9.

TABLE A-9. HOURLY WAGE DATA

LOCATION	SUPERVISORY EXEMPT ^a (\$1hr)	DIRECT-LABOR NON-EXEMPT (\$1hr)	FRINGE BENEFITS (%)
Newport AAP	8.87	5.10	25
McAlester NAD	7.75	5.41	30
Hawthorne NAD	7.85	5.54	29
Mississippi ^a	5.85	2.83	25

based on 90% of Louisiana AAP rates as of June 1973 and adjusted by acceleration of non-agriculture labor rates for Mississippi from Sept 73 to Sept 74.

¹¹ Employment and Earning, Vol 21, No. 5, Bureau of Labor Statistics, Department of Labor, November 1974.

¹²Base Restructure Project - Army Ammunition Production Base Reconfiguration Study - 61/81mm Site Selection. US Army Armament Command, Rock Island, Illinois, August 1973.

Utility Costs.

Utility costs were obtained for the selected candidate sites in the same manner as the labor costs. The set of utility costs obtained is not complete due to the inability, at this time, to completely define utility requirements for the process and to determine the availability at the various sites. Reference 13 was the source for the Mississippi Test Facility Data. The costs for steam were taken as the average cost of steam in the preceding study for all sites except Newport AAP due to inability to isolate these costs. The value for the cost of steam for Newport AAP was taken from the same source. Table A-10 is a presentation of utility rates used in the study.

TABLE A-10 UTILITY COSTS AT THE VARIOUS SITES^a

SITE	WATER (\$/1000 GAL)	ELECTRICITY (\$/KWH)	STEAM (\$/1000 lbs)
Newport AAP	0.12	0.01078	1.120
McAlester NAD	0.35	0.00900	1.036 ^b
Hawthorne NAD	0.24	0.02070	1.036 ^b
Mississippi	0.15	0.01108	1.036 ^b

^afrom 1973 Composition-B study cost

bestimates as average of 1973 Composition-B study cost

 $^{^{13}}$ DF from AMSAR-PA-Z, Subject: Utility Cost Rates for Base Restructure, 7 Nov 1973.

Loc. Cit.

Material Costs.

Although cost of materials was not considered to be invariant among the various sites, the costs could not be differential on a site-to-site basis. The nominal nation-wide average cost was obtained from industry publications 14 and applied to all sites. The uncertainty in site-to-site cost was accounted for by the variance applied to the materials cost. The material cost used in this study are presented in Table A-11.

TABLE A-11. MATERIAL COSTS

CHEMICAL	Chemical Mktg Reporter July 22, 1973	\$/Lb Chemical	\$/Lb Composition-B	\$/Lb RDX
Acetic Acid	\$13/cwt	0.130	.0148	.0088
Anhydrous Ammonia	\$173/ton	0.086	0425	.0255
Caustic Soda	\$9/cwt	0.090	0264	.0158
Cyclohesanone	32/2¢/1b	0.325	.0033	.0020
Hexamine	27¢/1b	0.270	1031	.0618
Oxygen	\$.0199/cuft ^a	0.223	0651	.0390
Triethylphosphate	38¢/1b	0.380	0019	.0011
Wax	10 1/4¢/1b	0.103	0018	.0010

a obtained from McAlester NAD procurement via Mr. Frank Black AMSAR-PPB November 27, 1974

¹⁴ Chemical Marketing Reporter, Vol 205, No. 29, Schell Publishing Co., Inc. NY, NY., July 22, 1974.

Transportation Cost.

The transportation costs are divided into inbound transportation cost of materials and outbound transportation costs of the product.

The minimum inbound rate was used in this study. This inbound rate for various materials was determined by selecting the minimum rate from the list provided by AMSAR-TMG. The outbound rates were selected from the same list. It is interesting to note the in-transit storage privilege was not utilized for these transportation networks.

The rates that were applied to Mississippi Test Facility were obtained by estimating from the best linear fit of rates vs. mileage obtained from the data provided by AMSAR-TMG. The mileage estimates were obtained from the "Official Table of Distances". 16 Table A-12 is a summary of the transportation rates used in the analysis.

¹⁵DF from AMSAR-PPI-B to AMSAR-TMG, Subject: RDX - Comp-B Site Selection Transportation Cost Analaysis, 29 Oct 1974. (Reply by endorsement with information, 11 Nov 1974.)

¹⁶AR 55-60, Official Tables of Distances - Continental United States, Alaska, Hawaii, Canada, Canal Zone, Central America, Mexico, and Puerto Rico.

TABLE A-12 TRANSPORTATION RATES (\$/LB)

COMMODITY	FROM	TO	RATE-\$/LI
TNT	Joliet AAP	Newport AAP	.014379
1111	11	McAlester NAD	.021761
	.11	Hawthorne NAD	.034756
	Newport AAP	Newport AAP	NA
	II III	McAlester NAD	.02565
	11	Hawthorne NAD	.06882
	Radford AAP	Newport AAP	.02388
	11	McAlester NAD	.03378
	n .	Hawthorne NAD	.11287
	Volunteer AAP	Newport AAP	.01929
	11	McAlester NAD	.01920
	11	Hawthorne NAD	.05771
COMPOSITION-B	McAlester NAD	Joliet AAP	.02787
	11	Iowa AAP	.02349
	11	Kansas AAP	.01437
	"	Lone Star AAP	.01582
	"	Louisiana AAP	.01102
	11	Crane NAD	.02335
	**	Milan AAP	.01985
	11	Picatinny Ars	.04164
	Newport AAP	Joliet AAP	.01437
	99	Iowa AAP	.01790
	11	Kansas AAP	.02236
	**	Lone Star AAP	.02465
	77	Louisiana AAP	.02568
	188	Crane NAD	.00967
	"	Milan AAP	.01628
	**	Picatinny Ars	.02970
	Hawthorne NAD	Joliet AAP	.04361
	.11	Iowa AAP	.08102
	"	Kansas AAP	.03624
	"	Lone Star AAP	.05336
	."	Louisiana AAP	.05381
	11	Crane NAD	.04817
		Milan AAP	.09240
	11	Picatinny Ars	.12118

TABLE A-12 TRANSPORTATION RATES (\$/LB) (Cont'd)

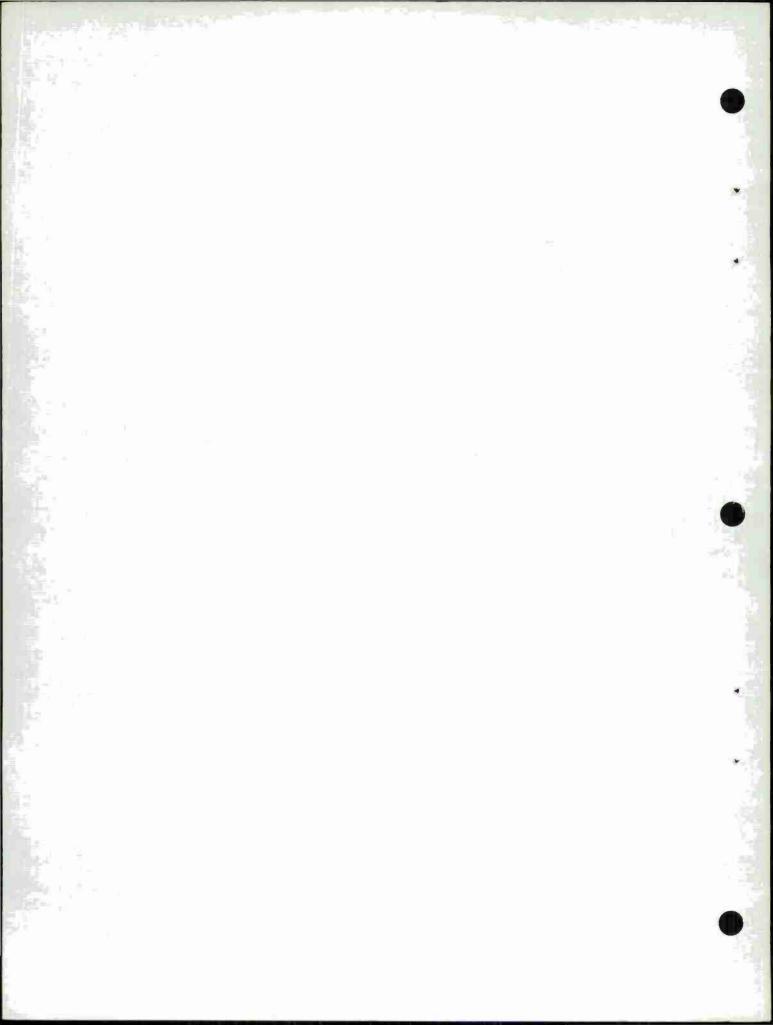
COMMODITY	FROM	то	RATE-\$/LE
ACETIC ACID	Geismar, LA	Newport AAP	.022200
ACEIIC ACID	oeismar, in	McAlester NAD	.013200
	31	Hawthorne NAD	.038900
	Kingsport, TN	Newport AAP	.017700
	11	McAlester NAD	.025000
	tt o	Hawthorne NAD	.028300
	Bishop, TX	Newport AAP	.028900
	11	McAlester NAD	.013900
	11	Hawthorne NAD	.038900
	Brownsville, TX	Newport AAP	.030800
	11	McAlester NAD	.016000
	4.6	Hawthorne NAD	.018300
	Tampa, TX	Newport AAP	.025000
	44	McAlester NAD	.011000
	8.4	Hawthorne NAD	.038900
	Texas City, TX	Newport AAP	.025300
	11	McAlester NAD	.011800
	tt	Hawthorne NAD	.018300
CYCLOHEXANE	Freeport, TX	Newport AAP	.030100
	**	McAlester NAD	.019400
	8.8	Hawthorne NAD	.060200
	Luling, LA	Newport AAP	.026500
	11	McAlester NAD	.023200
	8.6	Hawthorne NAD	.062700
	Augusta, GA	Newport AAP	.026100
	11	McAlester NAD	.030500
	11	Hawthorne NAD	.069300
	Hopewell, VA	Newport AAP	.026800
	11	McAlester NAD	.035500
		Hawthorne NAD	.079800
	Belle, VA	Newport AAP	.018400
	11	McAlester NAD	.031500
	"	Hawthorne NAD	.075800
TRIETHYLPHOSPHATE	Kingsport, TN	Newport AAP	.029700
	11	McAlester NAD	.033400
4		Hawthorne NAD	.072300

TABLE A-12 TRANSPORTATION RATES (\$/LB) (Cont'd)

COMMODITY	FROM	то	RATE-\$/LB
HEXAMINE	Demopolis, AL	Newport AAP	.010700
	II	McAlester NAD	.012462
	11	Hawthorne NAD	.035500
	Fayetteville, NC	Newport AAP	.014000
	11	McAlester NAD	.022175
	88	Hawthorne NAD	.038600
	Fords, NJ	Newport AAP	.015400
	11	McAlester NAD	.028593
	11	Hawthorne NAD	.038600
	Sheboygan, WI	Newport AAP	.008100
	11	McAlester NAD	.019210
	U	Hawthorne NAD	.032200
	Boundbrook, NJ	Newport AAP	.015400
	11	McAlester NAD	.028593
	"	Hawthorne NAD	.038600
CRUDE WAX	Louisville, KY	Newport AAP	.007612
	11	McAlester NAD	.029636
	11	Hawthorne NAD	.054205
	Tulsa, OK	Newport AAP	.025170
	11	McAlester NAD	.004354
	11	Hawthorne NAD	.048330
	New York, NY	Newport AAP	.026693
	"	McAlester NAD	.044555
	"	Hawthorne NAD	.059977
BOXES (each)	Hawthorne NAD	Newport AAP	.176000
	11	McAlester NAD	.124000
	11	Hawthorne NAD	NA
	Crane NAD	Newport AAP	.016400
	11	McAlester NAD	.052400
		Hawthorne NAD	.188000
	Iowa AAP	Newport AAP	.030800
	111	McAlester NAD	.079839
		Hawthorne NAD	.155600
	Joliet AAP	Newport AAP	.025200
	11	McAlester NAD	.096684
		Hawthorne NAD	.175600

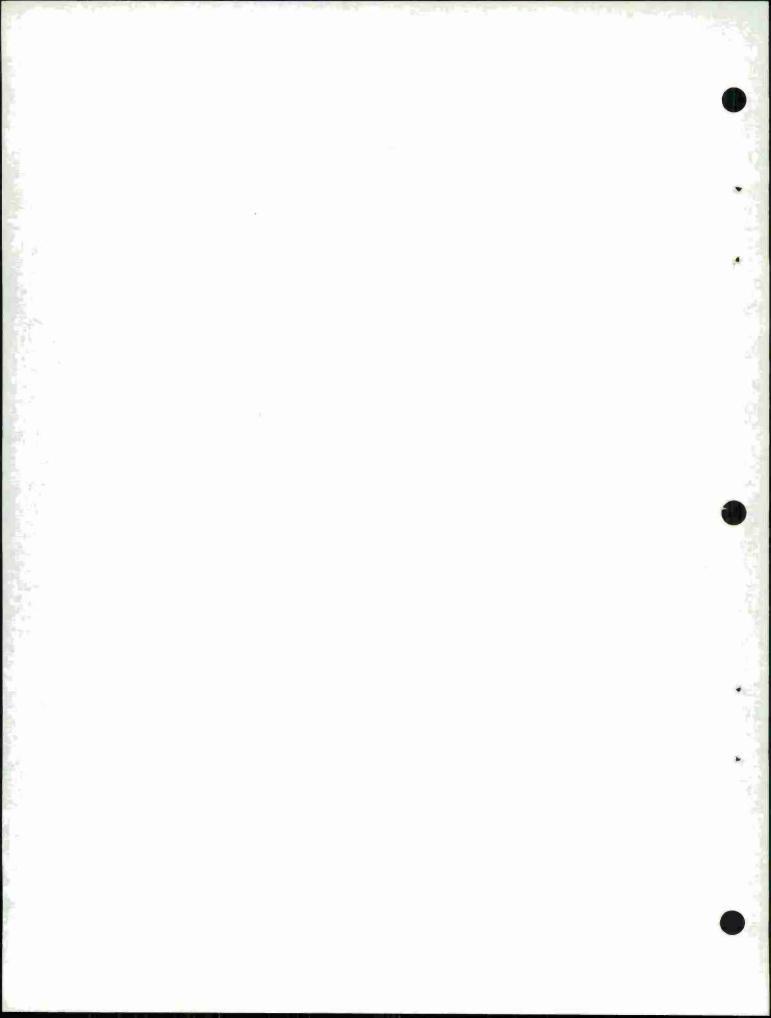
TABLE A-12 TRANSPORTATION RATES
(\$/LB) (Cont'd)

COMMODITY	FROM	TO	RATE-\$/LE
BOXES (each)	Kansas AAP	Newport AAP	.048000
(cont'd)	**	McAlester NAD	.040041
	11	Hawthorne NAD	.125600
	Lone Star AAP	Newport AAP	.048800
	11	McAlester NAD	.034899
	11	Hawthorne NAD	.125600
	Louisiana AAP	Newport AAP	.051600
	**	McAlester NAD	.047163
	**	Hawthorne NAD	.145200
	Milan AAP	Newport AAP	.031200
	8.8	McAlester NAD	.040400
	8.4	Hawthorne NAD	.188000
	Picatinny Ars	Newport AAP	.059600
	8.0	McAlester NAD	.084800
	4.4	Hawthorne NAD	. 233200
	McAlester NAD	Newport AAP	.052400
	8.8	McAlester NAD	NA
	8.8	Hawthorne NAD	.146800



APPENDIX B COMPUTER MODEL RESULTS

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PAGE 1

SUPPLEMENTARY COMP-B SITE SELECTION FOUR LINE CAPACITY COSI /SENSITIVITY /RISK INCREASE IN NEWPORT AAP COSTS CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0% (COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION ::	SITE	1	COST	;	SIGMA	1	RISK(%)	
		• • •					• • • • • • • • • •	
CASE NO. 1	NEWPORT	8	994.73	3	31.53	8	***	
	HAWTHORNE			8	45.65	8	0.0	
TEN YR PROD= 3600:	MC ALESTER		1038.53	:	32.54		16.7	
CASE NO. Z ::	NEWPORT	1	972.14	1	31.19		****	
(100/100/ 75) ::	HAWTHORNE	8	1358.55		45.31	8	0.0	
TEN YR PROD= 3330::	MC ALESTER	1	1014.65	:	32.19	1	17.1	
CASE NO. 3 :	NEWPORT	:	949.56	1	30.57	:	****	
(100/100/ 50)	HAWTHORNE	1	1330.37	8	44.99	8	0.0	
TEN YR PROD= 3060:	MC ALESTER	:	990.77	1	31.86	1	17.6	
CASE NO. 4	NEWPORT	:	926.97	:	30.56	:	****	
(100/100/ 25)		*	1302.20	8	44.69	8	0.0	
TEN YR PROD= 2790:	MC ALESTER	2	966.89	:	31.55	3	18.2	
CASE NO. 5	NEWPORT	:	904.39		30.26	:	****	
	HAWTHORNE	3			44.40	1	0.0	
TEN YR PROD= 2520:1	MC ALESTER		943.00	1	31.25	1	18.7	
CASE NO. 6	NEWPORT	:	964.67		31.08	:	00000	
	HAWTHORNE	2	1349.22	2	45.20	2	0.0	
TEN YR PROD= 3330:1	MC ALESTER		1006.75	1	32.08	8	17.3	
CASE NO. 7 11	NEWPORT	1	942.08	:	30.76	:	****	
(100/ 75/ 75)		1	1321.04	8	44.89	:	0.0	
TEN YR PROD= 3060:	MC ALESTER	-	982.86	2	31.76	8	17.8	
CASE NO. 8 :1	NEWPORT	1	919.50		30.46	1	****	
(100/ 75/ 50)			1292.87	2	44.59	:	0.0	
TEN YR PROD= 2790:1	MC ALESTER	2	958.98	1	31.44	1	18.4	
CASE NO. 7 :	NEWPORT	1	596.91		30.17	1	*****	
(100/ 75/ 25) ::		1	1264.69	8	44.30	2	0.0	
TEN YR PROD= 2520:1	MC ALESTER		935.10	1	31.15	8	18.9	
CASE NO. 10 ::	NEWPORT	1	874.33	:	29.89	1	****	
		:	1236.52		44.04	2	0 • 0	
TEN YR PROD= 2250:1			911.22	2	30.87		19.5	

SUPPLEMENTARY COMP-8 SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /KISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

	(4041.1115	111 11262011	0 01 600.7	
: IDENTIFICATION :	SITE	COST	SIGMA	I RISK(%)
CASE NO. 11 :1 (100/ 50/100) :1 TEN YR PROD= 3060:1	NEWPOR! : HAWTHORNE : MC ALESTER :	934.60 : 1311.72 : 974.96 :	30.66 44.79 31.65	0.0
CASE NO. 12 :: (100/ 50/ 75) :: TEN YR PROD= 2790::	NEWPORT : HAWTHORNE : MC ALESTER :	912.02 1283.54 951.07	30.36 44.49 31.34	0.0
CASE NO. 13 : 1 (100/ 50/ 50) : 1 TEN YR PROD= 2520: 1	NEWPORT : HAWTHORNE : MC ALESTER :	889.43 : 1255.37 : 927.19 :	30.08 44.21 31.06	0.0
CASE NO. 14 :: (100/ 50/ 25) :: TEN YR PROD= 2250:	NEWPORT : HAWTHORNE : MC ALESTER :	066.85 1227.19 : 903.31 :	29.01 43.95 30.78	0 • 0
CASE NO. 15 :: (100/ 50/ 0) :: TEN YR PROD= 1980::	NEWPORT : HAWTHORNE : MC ALESTER :	144.27 : 1199.02 : 879.43 :	29.56 43.71 30.53	0.0
CASE NO. 16 :: (100/ 25/100/ :: TEN YR PROD= 2790::	NEWPORT : HAWTHORNE : MC ALESTER :	904.54 1274.22 943.17	30.26 44.40 31.25	0.0
CASE NO. 17 :: (100/ 25/ 75) :: TEN YR PROD= 2520::	NEWPORT : HAWTHORNE : MC ALESTER :	881.96 : 1246.04 : 919.29 :	29.99 44.13 30.96	0.0
CASE NO. 18 :: (100/ 25/ 50) :: TEN YR PROD= 2250::	NEWPORT : HAWTHORNE : MC ALESTER :	859.37 : 1217.87 : 895.41 :	29.72 43.87 30.70	0.0
CASE NO. 19 :: (100/ 25/ 25) :: TEN YR PROD= 1980::	NEWPORT : HAWTHORNE : MC ALESTER :	836./9 : 1189.69 : 871.52 :	29.48 43.63 30.45	0.0
CASE NO. 20 :: : (100/ 25/ 0) :: : TEN YR PROD= 1710::	NEWPORT : HAWTHORNE : HC ALESTER :	814.21 : 1161.51 : 847.64 :	29.25 43.41 30.21	0.0
\$		041,04	30.21	. 2113

SUPPLEMENTARY COMP-B SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /KISK INCREASE IN NEWPORT AAP COSTS CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN SMILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

# •									
8	IDENTIFICATION :	SITE		COST		SIGMA		RISK(%)	
	CASE NO. 21 ::	NEWDOD!	• • •	074 40	• • • •			*****	
8		NEWPOR! HAWTHORNE		874.48	1	29.90	4		
ī				Dr. Committee of the co	8	44.04	*	0 • 0	
Į.	TEN YR PROD= 2520:	MC ALESTER	*	911.38		30.87		19.5	
2	CASE NO. 22	NEWPORT		851.90	4.	29.64	1	****	
	(100/ 0/ 75)		1	1208.54	1	43.79	î	0.0	
8	TEN YR PROD= 2250:	MC ALESTER	8	887.50		30.61	8	20.2	
je e	CASE NO. 23	NEWPORT	1	827.31		29.40	1	*****	
6	(100/ 0/ 50)	HAWTHORNE	-			43.56	7	0 • 0	
0	TEN YR PROD= 1980:	MC ALESTER		863.62	2	30.37		20.9	
) } (TEN IN PRODE 170011	MC MEESTER		003,02		30.37		20.9	
	CASE NO. 24 11	NEWPORT	8	806.73	2	29.18	1	****	
3	(100/ 0/ 25) :1	HAWTHORNE	8		8	43.34	3	0.0	
2	TEN YR PROD= 1710:	MC ALESTER		839.73	1	30.14	1	21.6	
	CASE NO. 25	NEWPORT	1	784.15	:	28.97	1	*****	
	(100/ 0/ 0)				2	43.15		0.0	
	TEN YR PROD= 1440::	MC ALESTER	-		2	29.93		22.3	
				010,00		67973			
	CASE NO. 26 11	NEWPORT	2	938.62	,	30.72		****	
	(75/100/100)	HAWTHORNE	1	1316.73	3	44.84	1	0.0	
	TEN YR PROD= 3240:1	MC ALESTER	1	979.21	1	31.71	8	17.9	
	CASE NO. 27	NEWPORT	1	916.04	1	30.41	:	****	
	(75/100/ 75) ::		1	1288.56	1	44.54	8	0.0	-
	TEN YR PROD= 297011	MC ALESTER	1	955.32	- 2	31.40	1	18.4	
	CASE NO. 20 :1	NEWPORT		893.45	1	30.13		*****	
	(75/100/ 50) :1			1260.38		44.26	2	0.0	
	TEN YR PROD= 2700:	MC ALESTER	-	931.44		31.11	NOTE OF	19.0	
		THE MEESIER		731,74		31.11		17.0	
	CASE NO. 27 1:	NEWPORT		870.87		29.85	1	****	
	(75/100/ 25) ;;	HAWTHORNE	1	1232.21	2	44.00	3	0.0	
	TEN YR PROD= 2430:1	MC ALESTER	8	907.56	8	30.83	1	19.6	1
	CASE NO. 30 :	NEWPORT	:	848.28	:	29.60	:	****	
	(75/100/ 0)		2		2	43.75	1	0.0	
1	TEN YR PROD= 2160:			883.68	:	30.57	2	20.3	
		WEEDIEK	-	000,00		30.31		2013	1

SUPPLEMENTARY COMP-B SITE SELECTION
FUUR LINE CAPACITY
COST /SENSITIVITY /HISK
INCREASE IN NEWPORT AAP COSTS
CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%
(COST IN \$MILLION DISCOUNTED AT 10%)
(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION 11	SITE	:	COST	:	SIGMA	1	RISK(%)	
CASE NO. 31 :: (75/75/100) :: TEN YR PROD= 2970::	NEWPORT HAWTHORNE MC ALESTER	:	908.56 1279.23 947.42	:	30.32 44.45 31.30	1	0.0	• •
CASE NO. 32 : (75/ 75/ 75) :: TEN YR PROD= 2700:	NEWPORT HAWTHORNE MC ALESTER	:	885.98 1251.05 923.54	:	30.03 44.17 31.01	<u>:</u>	0.0	
CASE NO. 33 11 (75/75/50) :: TEN YR PROD= 2430::	NEWPORT HAWTHORNE MC ALESTER	:	863.39 1222.88 899.65	:	29.11 43.92 30.74	1	0.0	
CASE NO. 34 :: (75/ 75/ 25) :: TEN YR PROD= 2160::	NEWPORT HAWTHORNE MC ALESTER	1	840.81 1194.70 875.77	:	29.52 43.67 30.49		0 · 0 20 • 5	
CASE NO. 35 :: (75/ 75/ 0) :: TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	:	818.22 1166.53 851.89	:	29.29 43.45 30.25	1	0.0	
CASE NO. 36 : (75/ 50/100) : TEN YR PROD= 2700:	NEWPORT HAWTHORNE MC ALESTER	:	878.50 1241.73 915.63	:	29.94 44.09 30.92	:	0.0	
CASE NO. 3/ 11 (75/50/75) 11 TEN YR PROD= 2430:1	NEWPORT HAWTHORNE MC ALESTER	:	555.92 1213.55 891.75	:	29.68 43.83 30.66		0 • 0 20 • 1	
CASE NO. 38 :: (75/ 50/ 50) :: TEN YR PROD= 2160::	NEWPORT HAWTHORNE MC ALESTER	:	833.33 1185.38 867.87	:	29.44 43.60 30.41	:	0 • 0 20 • 7	
CASE NO. 33 :: (75/ 50/ 25) :: TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	:	810.75 1157.20 843.98	1	29.22 43.38 30.18		0 • 0 21 • 4	
CASE NO. 40 :: (75/50/0) :: TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER	1 1	788.16 1129.03 820.10	;	29.01 43.18 29.97	:	0.0	

SUPPLEMENTARY COMP-B SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /HISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

								- 4
IDENTIFICATION 11	SITE	1	COST		SIGMA	-	RISK(%)	1
CASE NO. 41 11 (75/ 25/100) 11 TEN YR PROD= 243011			848.44 1204.23 883.84	:	29.60 43.75 30.57		0.0	:
	HAWTHORNE	1	825.86 1176.05 859.96	:	29.36 43.52 30.33	:	0 • 0 21 • 0	:
CASE NO. 43 :1 (75/ 25/ 50) :1 TEN YR PROD= 1890:1			803.27 1147.87. 836.08	:	29.15 43.31 30.11	<u> </u>	0 • 0 21 • 7	:
CASE NO. 44 : 1 : (75/ 25/ 25) : 1 : TEN YR PROD= 1620: 1		-	780.69 1119.70 812.20	:	28.94 43.12 29.90	:	0 • 0 22 • 4	1 1
CASE NO. 45 11 (75/ 25/ 0) 11 TEN YR PROD= 1350:1		-	758.10 1091.52 788.31	1 1	28.16 42.94 29.72	; ;	0.0 23.3	:
CASE NO. 46 11 1 (75/ 0/100! 11 1 TEN YR PROD= 2160:1	HAWTHORNE	1	818.38 1166.72 852.06	1 8 8	29.29 43.45 30.25	1 1 1	0.0 21.2	:
CASE NO. 4(15 1 (75/ 0/75) 11 1 TEN YR PROD= 1890:1	NEWPORT HAWTHORNE MC ALESTER	1	(95.80 1138.55 828.17	:	29.08 43.25 30.04	i i	0.0 21.9	:
			773.21 1110.37 804.29	:	28.88 43.06 29.84	\$ \$ \$	0 • 0 22 • 7	:
(75/ 0/ 25)	NEWPORT HAWTHORNE MC ALESTER	1 1	750.63 1082.20 780.41	:	28.10 42.89 29.66	1	0.0 23.5	:
(75/ 0/ 0) :1	HAWTHORNE	1 1	728.04 1054.02 756.53	1	28.55 42.74 29.50	1	0.0	:
	CASE NO. 41 (75/ 25/100) TEN YR PROD= 2430: CASE NO. 42 (75/ 25/ 75) TEN YR PROD= 2160: CASE NO. 43 (75/ 25/ 50) TEN YR PROD= 1890: CASE NO. 44 (75/ 25/ 25) TEN YR PROD= 1620: CASE NO. 45 (75/ 25/ 0) TEN YR PROD= 1350: CASE NO. 46 (75/ 0/100) TEN YR PROD= 2160: CASE NO. 46 (75/ 0/100) TEN YR PROD= 1890: CASE NO. 46 (75/ 0/100) TEN YR PROD= 1890: CASE NO. 46 (75/ 0/75) TEN YR PROD= 1890: CASE NO. 46 (75/ 0/75) TEN YR PROD= 1890: CASE NO. 46 (75/ 0/75) TEN YR PROD= 1890: CASE NO. 48 (75/ 0/50) TEN YR PROD= 1620: CASE NO. 49 (75/ 0/25) TEN YR PROD= 1350: CASE NO. 50 (75/ 0/25) TEN YR PROD= 1350:	CASE NO. 41 NEWPOR!	CASE NO. 41 :: NEWPOR! :: (75/25/100) :: HAWTHORNE :: TEN YR PROD= 2430: MC ALESTER :: CASE NO. 42 :: NEWPORT :: (75/25/75) :: HAWTHORNE :: TEN YR PROD= 2160: MC ALESTER :: CASE NO. 43 :: NEWPORT :: (75/25/50) :: HAWTHORNE :: TEN YR PROD= 1890: MC ALESTER :: CASE NO. 44 :: NEWPORT :: (75/25/25) :: HAWTHORNE :: TEN YR PROD= 1620: MC ALESTER :: CASE NO. 45 :: NEWPORT :: (75/25/0) :: HAWTHORNE :: TEN YR PROD= 1350: MC ALESTER :: CASE NO. 46 :: NEWPORT :: (75/25/0) :: HAWTHORNE :: TEN YR PROD= 2160: MC ALESTER :: CASE NO. 46 :: NEWPORT :: (75/0/100) :: HAWTHORNE :: TEN YR PROD= 2160: MC ALESTER :: CASE NO. 4/ :: NEWPORT :: (75/0/75) :: HAWTHORNE :: TEN YR PROD= 1890: MC ALESTER :: CASE NO. 4/ :: NEWPORT :: (75/0/50) :: HAWTHORNE :: TEN YR PROD= 1620: MC ALESTER :: CASE NO. 48 :: NEWPORT :: (75/0/25) :: HAWTHORNE :: TEN YR PROD= 1620: MC ALESTER :: CASE NO. 49 :: NEWPORT :: (75/0/25) :: HAWTHORNE :: TEN YR PROD= 1620: MC ALESTER :: CASE NO. 49 :: NEWPORT :: TEN YR PROD= 1620: MC ALESTER :: CASE NO. 49 :: NEWPORT :: TEN YR PROD= 1620: MC ALESTER :: CASE NO. 50 :: NEWPORT :: TEN YR PROD= 1350: MC ALESTER :: CASE NO. 50 :: NEWPORT :: TEN YR PROD= 1350: MC ALESTER :: CASE NO. 50 :: NEWPORT :: TEN YR PROD= 1350: MC ALESTER :: CASE NO. 50 :: NEWPORT :: TEN YR PROD= 1350: MC ALESTER :: CASE NO. 50 :: NEWPORT :: TEN YR PROD= 1350: MC ALESTER :: CASE NO. 50 :: NEWPORT :: TEN YR PROD= 1350: MC ALESTER :: CASE NO. 50 :: NEWPORT :: TEN YR PROD= 1350: MC ALESTER :: TEN YR PROD=	CASE NO. 41	CARE NO. 4	CASE NO.	CASE NO. 41 1 NEWPORT 1 848.44 29.60 1 1.75/25/100 1 HAWTHORNE 1204.23 43.75 1 TEN YR PROD= 2430 MC ALESTER 883.84 30.57 1 1 1 1 1 1 1 1 1	I CASE NO. 41 II NEWPORI I 848.44 1 29.60 ***** I (75/ 25/100) II HAWTHORNE I 1204.23 1 43.75 0.0 I TEN YR PRODE 243011 MC ALESTER ! 883.84 30.57 20.3 I CASE NO. 42 NEWPORT 825.86 29.36 ***** I (75/ 25/ 75) II HAWTHORNE 1176.05 43.52 0.0 I TEN YR PRODE 216011 MC ALESTER 889.96 30.33 21.0 I CASE NO. 43 NEWPORT 803.27 29.15 ***** I (75/ 25/ 50) II HAWTHORNE 1167.87 43.31 0.0 I TEN YR PRODE 189011 MC ALESTER 836.08 30.11 21.7 I CASE NO. 44 NEWPORT 760.69 28.74 ***** I (75/ 25/ 52) HAWTHORNE 1119.70 43.12 0.0 I TEN YR PRODE 162011 MC ALESTER 812.20 29.90 22.4 I CASE NO. 45 NEWPORT 758.10 28.76 ***** I (75/ 25/ 50) HAWTHORNE 1091.52 42.94 0.0 I TEN YR PRODE 135011 MC ALESTER 812.20 29.72 23.3 I CASE NO. 46 NEWPORT 758.31 29.72 23.3 I CASE NO. 46 NEWPORT 166.72 43.45 0.0 I TEN YR PRODE 216011 MC ALESTER 852.06 30.25 21.2 I CASE NO. 46 NEWPORT 758.80 29.08 ***** I (75/ 0/ 75) HAWTHORNE 1166.72 43.45 0.0 I TEN YR PRODE 189011 MC ALESTER 852.06 30.25 21.2 I CASE NO. 46 NEWPORT 758.80 29.08 ***** I (75/ 0/ 75) HAWTHORNE 1138.55 43.25 0.0 I TEN YR PRODE 189011 MC ALESTER 828.17 30.04 21.9 I CASE NO. 49 NEWPORT 759.80 29.84 22.7 I CASE NO. 49 NEWPORT 750.63 28.70 **** I (75/ 0/ 50) HAWTHORNE 1106.22 129.84 22.7 I CASE NO. 49 NEWPORT 750.63 28.70 **** I (75/ 0/ 50) HAWTHORNE 1062.20 42.89 0.0 I TEN YR PRODE 135011 MC ALESTER 804.29 29.84 22.7 I CASE NO. 50 NEWPORT 750.63 28.70 42.89 0.0 I TEN YR PRODE 135011 MC ALESTER 804.29 29.84 22.7

SUPPLEMENTARY COMP-8 SITE SELECTION

FOUR LINE CAPACITY

COS! /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= .0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN SMILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION :	SITE	:	COST	;	SIGMA	i	RISK(%)	
CASE NO. 51 :: (50/100/100) :: TEN YR PROD= 2880::	NEWPOR! HAWTHORNE MC ALESTER	1	882.52 1246.74 919.88	:	29.99 44.13 30.97	: :	0.0	• •
CASE NO. 52 :: (50/100/ 75) :: TEN YR PROD= 2610::	NEWPORT HAWTHORNE MC ALESTER	:	859.94 1218.57 896.00	:	29./3 43.88 30.70	:	0.0	
CASE NO. 53 :: (50/100/ 50) :: TEN YR PROD= 2340::	NEWPORT HAWTHORNE MC ALESTER	:	837.35 1190.39 872.12	:	29.48 43.64 30.45	:	0.0	
CASE NO. 54 :: (50/100/ 25/ :: TEN YR PROD= 2070::	NEWPORT HAWTHORNE MC ALESTER	1	848.23	1	29.25 43.42 30.22	:	0.0	
CASE NO. 55 :: (50/100/ 0) :: TEN YR PROD= 1800::	NEWPORT HAWTHORNE MC ALESTER	1	/92.18 1134.04 824.35	1	29.04 43.21 30.00	1	0.0	
CASE NO. 56 :: (50/75/100) :: TEN YR PROD= 2610:	NEWPORT HAWTHORNE MC. ALESTER	:	852.46 1209.24 888.09	1 1	29.65 43.80 30.62	:	0.0	
CASE NO. 57 :: (50/75/75) :: TEN YR PROD= 2340::	NEWPORT HAWTHORNE MC ALESTER	:	829.88 1181.06 864.21	:	29.41 43.56 30.37	:	0.0	-
CASE NO. 58 :: (50/75/50) :: TEN YR PROD= 2070::	NEWPORT HAWTHORNE MC ALESTER	:	807.29 1152.89 840.33	;	29.18 43.35 30.15	:	0.0	-
CASE NO. 59 :: (50/75/25) :: TEN YR PROD= 1800::	NEWPORT HAWTHORNE MC ALESTER	:	/84.71 1124.71 816.45	:	25.98 43.15 29.94	:	0.0	
CASE NO. 60 :: (50/75/0) :: TEN YR PROD= 1530::	NEWPORT HAWTHORNE MC ALESTER	1 1 1	'/62.12 1096.54 792.56	:	28.79 42.97 29.75	:	0 • 0 23 • 1	

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SUPPLEMENTARY COMP-B SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /HISK INCREASE IN NEWPORT AAP COSTS CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0% (COST IN SMILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

	*								4
	: IDENTIFICATION ::	SITE	8	COST	2	SIGMA	1	RISK(%)	1
)		NEWSON!			• • • • •				
ì	CASE NO. 64	NEWPORT	8	822.40		29.33	3	****	8
	: (50/50/100) ::	HAWTHORNE	-	1171.74	4	43.49	8	0.0	8
	: TEN YR PROD= 2340:1	MC ALESTER	1	856.31	1	30.30	:	21.1	- 3
	: CASE NO. 62 :1	NEWPORT	1	799.81	1	29.11		****	1
	1 (50/ 50/ 75) 11	HAWTHORNE -	8	1143.56	1	43.28	1	0.0	2
	: TEN YR PROD= 2070::	MC ALESTER	8	832.42	8	30.07	1	21.8	3
	***************************************	NOUGOOT		227 22					#
	1 CASE NO. 63 11	NEWPORT	8	777.23	- 8	28.91	3	****	. 8
	: (50/50/50) ::	HAWTHORNE	1	1115.39	3	43.09	8	0.0	1
	: TEN YR PROD= 1800::	MC ALESTER	1	808.54		29.87		22.6	1
	: CASE NO. 64 ::	NEWPORT	1	754.65	:	28.73	1	****	1
	: (50/50/25) ::	HAWTHORNE	1	1087.21	8	42.92	8	0.0	:
	: TEN YR PROD= 1530::	MC ALESTER	8	784 66	. 2	29.69	Î	23.4	:
	: CASE NO. 65 11	NEWPORT		732.06	1	28.57		*****	6
	1 (50/50/0)	HAWTHORNE	1	1059.04		42.76			
	TEN YR PROD= 1260:	MC ALESTER			*			0.0	8
	**************************************	MC ALESTER		760.78		29.52		24.2	
	: CASE NO. 60 ::	NEWPORT	8	192.34	:	29.05	1	****	8
	1 (50/ 25/100) 11	HAWTHORNE	8	1134.24	8	43.22	8	0.0	
	: TEN YR PROD= 20701:	MC ALESTER	1	824.52	8	30.01		22.0	2
	1 CASE NO. 67 :1	NEWPORT	:	769.75	1	28.85		****	0
	: (50/25/75)	HAWTHORNE	1	1106.06	8	43.03	2	0.0	
	: TEN YR PROD= 1800:	MC ALESTER		800.64	8	29.81	3	22.8	:
	***************************************	Managar		747 10				*****	
	: CASE NO. 68 ::	NEWPORT	8	747.17	1	28.68	8		1
	1 (50/ 25/ 50) 11	HAWTHORNE	\$	1077.88	1	42.86	8	0.0	8
h	: TEN YR PROD= 1530::	MC ALESTER	I	776.75	:	29.63		23.7	
	: CASE NO. 69 ::	NEWPORT	8	724.58	1	28.52		****	:
	1 (50/25/25) 11	HAWTHORNE	8	1049.71	- 8	42.71	2	0.0	2
	: TEN YR PROD= 1260::	MC ALESTER	2	752.87	2	29.47		24.5	:
	1 CASE NO. 70 11	NEWPORT	1	702.00	:	28.39		****	
4	: (50/25/0)	HAWTHORNE	2	1021.53		42.58			
	1 TEN YR PROD= 990:	MC ALESTER	-	728.99			4	0.0	*
	1 IEM IN PRODE 9901.	MC ALESTER	8	150.49	8	29.34		25 • 4	

SUPPLEMENTARY COMP-B SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /HISK INCREASE IN NEWPORT AAP COSTS CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN SMILLION DISCOUNTED AT 10%)
(QUANTITIES IN MILLIONS OF LBS.)

	IDENTIFICATION :	SITE	1	CUST	÷	SIGMA	1	RISK(%)	
•	CASE NO. 71 I	NEWPORT	• • •	762.28		28.79		****	• • •
	(50/ 0/100)		1	1096.73	1	42.97	1	0.0	
	TEN YR PROD= 1800:			792.73	1	29.75		23.1	
	CASE NO. 72 :	NEWPORT	1	739.69	:	28.63	1	****	
	(50/ 0/ 75) :	HAWTHORNE	1	1068.56	1	42.81	2	0.0	
	TEN YR PROD= 1530:	MC ALESTER	:	768.85	1	29.58		23.9	
	CASE NO. 73 1	NEWPORT	:	717.11	1	28.48	1	****	
	(50/ 0/ 50)		. 1	1040.38		42.67	1	0.0	-
	TEN YR PROD= 1260:	MC ALESTER	1	744.96	:	29.43	1	24.8	- 4
	CASE NO. 74 :		1	694.52	1	28.35		****	
		HAWTHORNE	1	1012.21		42.55	1	0.0	
	TEN YR PROD= 990:	MC ALESTER	1	721.08	:	29.29	1	25.7	
	CASE NO. 75 :	NEWPORT	1	671.94	1	28.24	1	****	
	(50/ 0/ 0) :		1	984.03	2	42.44	1	0.0	
	TEN YR PROD= 720:	MC ALESTER	1	697.20		29.18	1	26.7	
	THE RESIDENCE AND ADDRESS OF THE PARTY OF TH	NEWPORT	\$	826.42	1	29.37	1	****	
	(25/100/100) ;		1	1176.75		43.53	1	0.0	
	TEN YR PROD= 2520:	MC ALESTER	1	860.55	1	30.34	1	20.9	
	CASE NO. 77 :	NEWPORT	1	803.83	1	29.15	1	****	1
	(25/100/ 75)		1	1148.58	1	43.32	1	0.0	
	TEN YR PROD= 2250:	MC ALESTER	1	836.67	:	30.11	i	21.7	
	CASE NO. 78	NEWPORT	1	781.25	1	28.95	1	****	
	(25/100/ 50) :		1	1120.40	1	43.12	2	0.0	
	TEN YR PROD= 1980:	MC ALESTER	1	812.79	1	29.91	1	22.4	
j	CASE NO. 79	NEWPORT	1	758.66	1	28.76	1	****	
	(25/100/ 25) :		1	1092.22	1	42.95	1	0.0	
	TEN YR PROD= 1710:	MC ALESTER	1	788.91	1	29.72	1	23.2	
	CASE NO. 80	NEWPORT	;	736.08	:	28.60	1	****	
	(25/100/ 0)		8	1064.05	1	42.79	1	0.0	
	TEN YR PROD= 1440:	MC ALESTER	1	765.03	- 1	29.55	1	24.1	

SUPPLEMENTARY COMP-B SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /RISK INCREASE IN NEWPORT AAP COSTS CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0% (COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

*								*
: IDENTIFICATION ::	SITE	8	COST	1	SIGMA	:	RISK(%)	
: CASE NO. 81 :: : (25/75/100) :: : TEN YR PROD= 2250::	NEWPORT HAWTHORNL MC ALESTER	1 1	796.36 1139.25 828.77	:	29.08 43.25 30.04	\$ \$ \$	0.0	:
: CASE NO. 82 :: : (25/ 75/ 75) :: : TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER	1	773.77 1111.07 804.88	:	28.89 43.06 29.84	:	0 • 0 22 • 7	:
: CASE NO. 83 :: : (25/75/50) :: : TEN YR PROD= 1710::	NEWPORT HAWTHORNE MC ALESTER	:	751.19 1082.90 781.00	:	28.71 42.89 29.66	:	0.0 23.5	:
: CASE NO. 84 :: : (25/ 75/ 25) :: : TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER	:	728.60 1054.72 757.12	:	28.55 42.74 29.50	:	0.0 24.4	:
: CASE NO. 85 :: : (25/ 75/ 0) :: : TEN YR PROD= 1170::	NEWPORT HAWTHORNE MC ALESTER	:	706.02 1026.55 733.24	:	28.41 42.61 29.36	:	0 • 0 25 • 3	:
: CASE NO. 86 :: : (25/50/100) :: : TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER	:	766.30 1101.75 796.98	:	28.82 43.00 29.78	:	***** 0 • 0 23 • 0	:
: CASE NO. 87 :: : (25/50/75) :: : TEN YR PROD= 1710::	NEWPORT HAWTHORNE MC ALESTER	: :	743.71 1073.57 773.10	:	28.65 42.84 29.61	:	0.0 23.8	:
: CASE NO. 8¢ :: : (25/50/50) :: : TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER	:	721.13, 1045.40 749.21	:	28.50 42.69 29.45	:	0.0 24.7	:
: CASE NO. 89 :: : (25/50/25) :: : TEN YR PROD= 1170::	NEWPORT HAWTHORNE MC ALESTER	:	698.54 1017.22 725.33	:	28.37 42.57 29.32		0.0 25.6	:
: CASE NO. 90 :: : (25/50/0) :: : TEN YR PROD= 900::	NEWPORT HAWTHORNE MC ALESTER	:	675.96 989.04 701.45	:	28.25 42.46 29.20	:	0.0	:
		-						

SUPPLEMENTARY COMP-B SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /HISK INCREASE IN NEWPORT AAP COSTS CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0% (COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS,)

	SITE :	COST	SIGMA	: RISK(%)
CASE NO. 91 :: (25/ 25/100) :: TEN YR PROD= 1710::	NEWPOR! : HAWTHORNE : MC ALESTER :	1064.24	28.60 42.79 29.55	0.0
CÂSE NO. 92 :: (25/ 25/ 75) :: TEN YR PROD= 1440::	NEWPORT : HAWTHORNE : MC ALESTER :	1036.07	28.46 42.65 29.40	0 · 0 25 · 0
	NEWPORT : HAWTHORNE : MC ALESTER :	1007.89	28.33 42.53 29.28	0 · 0 25 · 9
CASE NO. 94 :: (25/ 25/ 25) :: TEN YR PROD= 900::	NEWPORT : HAWTHORNE : MC ALESTER :	979.72	28.22 42.43 29.17	; **** ; 0 • 0 ; 26 • 8
CASE NO. 95 :: (25/ 25/ 0) :: TEN YR PROD= 630::	NEWPORT : HAWTHORNE : MC ALESTER :		20.13 42.34 29.08	1 **** 1 0 • 0 27 • 8
CASE NO. 90 :: (25/ 0/100) :: TEN YR PROD= 1440::	NEWPORT : HAWTHORNE : MC ALESTER :		20.41 42.61 29.36	***** 0 • 0 25 • 3
CASE NO. 97 :: (25/ 0/ 75) :: TEN YR PROD= 1170::	NEWPORT : HAWTHORNE : MC ALESTER :	998.57	28.29 42.49 29.24	: 0.0 : 26.2
CASE NO. 98 :: (25/ 0/ 50) :: TEN YR PROD= 900:	NEWPORT : HAWTHORNE : MC ALESTER :	970.39	28.19 42.40 29.13	0 · 0 27 · 2
CASE NO. 99 :: (25/ 0/ 25) :: TEN YR PROD= 630::	NEWPORT : HAWTHORNE : MC ALESTER :	942.22	28.11 42.32 29.05	0.0
CASE NO. 100 :: (25/ 0/ 0) :: TEN YR PROD= 360::	NEWPORT : HAWTHORNE : MC ALESTER :	914.04	28.05 42.26 28.99	: **** : 0.0 : 29.2

SUPPLEMENTARY COMP-B SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /HISK INCREASE IN NEWPORT AAP COSTS CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN SMILLION DISCOUNTED AT 10%)
(QUANTITIES IN MILLIONS OF LBS.)

	*								#
	: IDENTIFICATION ::	SITE	1	COST		SIGMA		RISK(%)	1
*	: CASE NO. 101 ::	NEWPORT	0 0	770.32	*****	28.86		******	
			ě.				ě	A	1
			8	1106.76	:	43.03		0.0	1
	: TEN YR PROD= 2160::	MC ALESTER	1	801.23		29.81		22.8	:
	: CASE NO. 102 ::	NEWPORT	1	741.73	1	28.08	i	****	1
	: (0/100/ 75) ::		1	1078.58	- 1	42.87	1	0.0	2
	: TEN YR PROD= 1890::	MC ALESTER	0	777.35	1	29.64		23.6	
	*								
	: CASE NO. 103 ::	NEWPORT	8	725.15		28.53		****	
	: (0/100/ 50) ::		8	1050.41	0	42.72		0.0	
	: TEN YR PROD= 1620::	MC ALESTER	1	753.46	1	29.48	1	24.5	1
	: CASE NO. 104 ::	NEWPORT	1	702.56	:	28.39	:	*****	
	: (0/100/ 25) ::	HAWTHORNE	1	1022.23		42.59	,	0.0	2
	: TEN YR PROD= 1350::	MC ALESTER	1	729.58	1	29.34		25.4	2
	*		-						*
	: CASE NO. 100 :1	NEWPORT		674.48		20.21	*	****	:
	: (0/100/ 0) ::	HAWTHORNE		994.06	1	42.48	î	0.0	2
	TEN YR PROD= 1080::	MC ALESTER	2	705.70	2	29.22	1	26.3	2
	: CASE NO. 106 ::	NEWPORT	8	740.26	\$	28.63	2	****	2
	: (0/ 75/100) ::	HAWTHORNE	8	1069.26		42.82	\$	0.0	
	: TEN YR PROD= 1890::	MC ALESTER	2	769.44	*	29.58	2	23.9	1
	* OAST NO. 107	MENOADY	-	717 /					
	: CASE NO. 107 ::	NEWPORT	8	717.67	1	28.48	8	****	2
	: (0/ 75/ 75) ::	HAWTHORNE	8	1041.08		42.67	Ĭ.	0.0	
	: TEN YR PROD= 1620::	MC ALESTER	•	745.56	1.	29.43	1	24.8	3
	: CASE NO. 108 ::	NEWPORT	:	695.09	:	28.35	:	*****	
	: (0/ 75/ 50) ::	HAWTHORNE	2	1012.91	1	42.55	1	0.0	2
	: TEN YR PROD= 1350::	MC ALESTER		721.68		29.30	2	25.7	2
Ä	\$=====================================			7200					#
	: CASE NO. 109 1:	NEWPORT	2	672.50		28.24	1		2
	: (0/ 75/ 25) : :	HAWTHORNE	8	984.73	2	42.44	1	0.0	2
	: TEN YR PROD= 1080::	MC ALESTER	8	697.79	1	29.18	8	26.7	
	*		-						#
	: CASE NO. 110 ::	NEWPORT	1	649.92	8	28.15	- 1	****	8
	: (0/ 75/ 0) ::	HAWTHORNE	8	956.56	8	42.36	\$	0 • 0	0
	: TEN YR PROD= 810::	MC ALESTER	2	673.91	8	29.09	8	27.7	2
	*		-						*

SUPPLEMENTARY COMP-8 SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /HISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

RISK(%) : IDENTIFICATION :: SITE : CUST : SIGMA 8 : CASE NO. 111 :: NEWPOR! : 710.19 : 28.43 : 1031.76 : 42.63 737.65 : 29.38 : (0/ 50/100) : HAWTHORNE : 2 0.0 : TEN YR PROD= 1620: MC ALESTER : 8 25.1 : NEWPORT : : CASE NO. 112 687,61 : 28.31 : :: HAWTHORNE : 1003.58 : 42.51 : (0/ 50/ 75) 0.0 12 : TEN YR PROD= 1350: MC ALESTER : 2 26.0 : CASE NO. 113 *** 1 NEWPORT 665.03 28.21 975.40 : 42.41 689.89 : 29.15 : (0/ 50/ 50) : HAWTHORNE : 0.0 : TEN YR PROD= 1080: MC ALESTER : 1 27.0 -----: CASE NO. 114 : NEWPORT 1 642.44 1 28.12 2 0.0 : (0/ 50/ 25) :: HAWTHORNE : 42.33 947.23 1 : TEN YR PROD= 810:: MC ALESTER : 666.01 : 29.07 : 28.0 : CASE NO. 115 : NEWPORT . 614.86 1 28.00 0 0.0 : (0/ 50/ 0) 11 HAWTHORNE 1 919.05 42.27 1 642.12 1 29.00 : TEN YR PROD= 540: MC ALESTER : : 29.1 28.27 : **** : CASE NO. 116 :: NEWPORT 680.13 1 (0/ 25/100) : HAWTHORNE : 994.25 42.48 1 0.0 26.3 : TEN YR PROD= 1350:: MC ALESTER : 705.87 29.22 ----------------: CASE NO. 11/ : NEWPORT 651.55 : 20.16 2 **** 2 9 : (0/ 25/ 75) :: HAWTHORNE : 42.38 8 0.0 966.08 : TEN YR PROD= 1080: MC ALESTER : 681.98 : 29.12 : 27.3 : CASE NO. 118 0 2 : NEWPORT 634.46 : 28.10 **** 1 (0/ 25/ 50) :: HAWTHORNE : 937.90 42.31 2 0.0 : TEN YR PROD= 810:: MC ALESTER : 658.10 : 29.04 1 28.3 612.38 : 28.04 | ***** : CASE NO. 119 : NEWPORT : : (0/ 25/ 25) : HAWTHORNE : 909.73 42.25 1 0.0 : TEN YR PROD= 540: MC ALESTER : 634.22 \$ 28.98 1 29.4 : CASE NO. 120 : NEWPORT 589.60 **** 2 24.00 42.22 : (0/ 25/ 0). 881.55 II HAWTHORNE I 2 0.0 9 TEN YR PROD= 270: MC ALESTER : 2 610.34 28.95 30.5

SUPPLEMENTARY COMP-B SITE SELECTION FOUR LINE CAPACITY

COST /SENSITIVITY /KISK

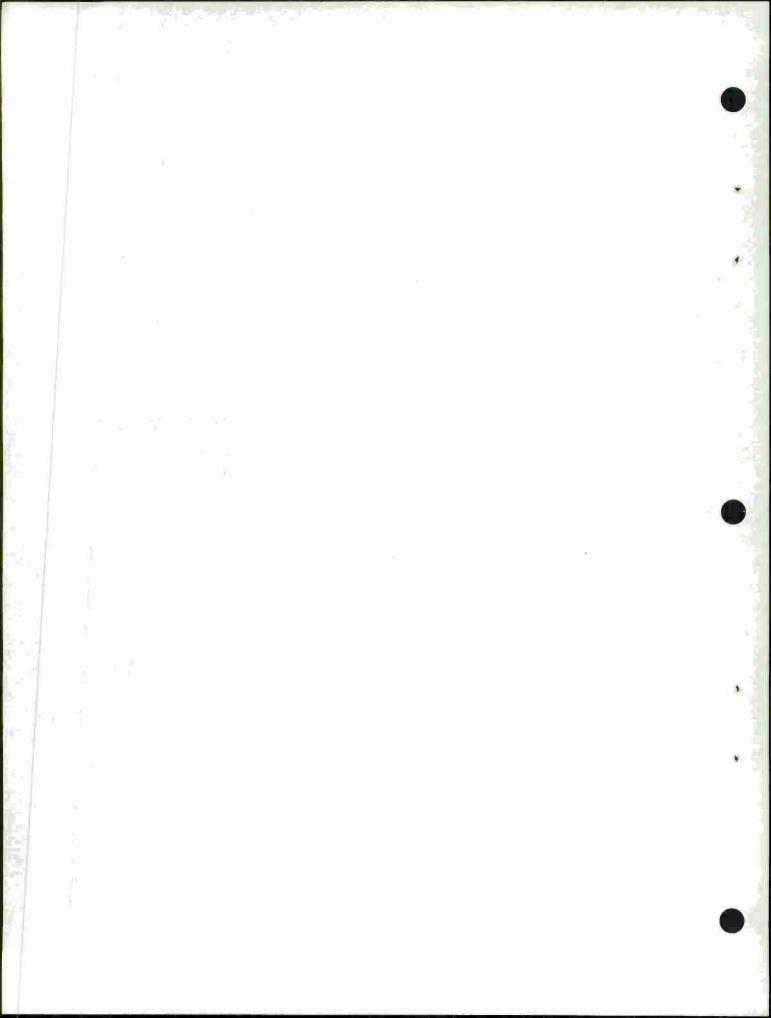
INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUAN_ITIES IN MILLIONS OF LBS.)

IDENTIFICATION	1 1	SITE	3	CUST	9	SIGMA	\$	RISK(%)	:
CASE NO. 121	:1	NEWPORI	1	650.07		28.15		*****	• • •
(0/ 0/100)				956.75	2	42.36	2	0 • 0	1
TEN YR PROD= 1			1	674.08	:	29.09	Ĩ	27.7	1
CASE NO. 122.	1:	NEWPORT	1	627.49		28.08	:	*****	
(0/ 0/ 75)	3 3	HAWTHORNE	3	928.58	2	42.29	2	0 • 0	9
TEN YR PROD=	810:1	MC ALESTER	\$	650.20	1	29.02	1	28.7	1
CASE NO. 123	11	NEWPORT	:	604.90		28.03	:	****	0
(0/ 0/ 50)	: 1	HAWTHORNE	1	900.40	2	42.24	3	0.0	3
TEN YR PROD=	54011	MC ALESTER	\$	626.31	1	28.97		29.8	:
CASE NO. 124	::	NEWPORT	:	582.32		59.00	:	****	:
(0/ 0/ 25)	2 2	HAWTHORNE	1	872.23	2	42.21	3	0.0	2
TEN YR PROD=	270:1	MC ALESTER	1	602.43	1	28.94		30.9	1
CASE NO. 125	::	NEWPORT	:	559.74	:	21.49	:	****	1
(0/ 0/ 0)	: :	HAWTHORNE	1	844.05	*	42.20	î	0.0	3
EN YR PROD=	0::	MC ALESTER	1	578.55		28.93	1	32.0	3



SUPPLEMENTARY COMP-B SITE SELECTION TWO LINE CAPACITY COST /SENSITIVITY /RISK INCREASE IN NEWPORT AAP COSTS CONST = 0%, MTLS = 0% UTLS = 0%, LBR = 0%, TRANS = 0% (COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

46.										
:	IDENTIFICATIO		SITE	•	COST)	SIGMA	:	RISK(%)	:
	CASE NO. (100/100/100/100/100/100/100/100/100/100	3 8	NEWPORT	:	587.48 828.17 611.69	:	19.88 29.17 20.49	:	0.0	:
:	CASE NO. (100/100/ 75) TEN YR PROD=	: 1	NEWPORT HAWTHORNL MC_ALESTER	:	576.19 814.09 599.75	1 1	19.74 29.04 20.35		0.0	
•	CASE NO. (100/100/ 50) TEN YR PROD=		NEWPORT HAWTHORNE MC ALESTER	:	564.90 800.00 587.81	:	19.61 28.91 20.22	:	0 · 0 20 · 8	:
:	CASE NO. (100/100/ 25) TEN YR PROD=	: 3	NEWPORT HAWTHORNE MC ALESTER	:	553.61 785.91 575.86	:	19.49 28.80 20.10	:	0.0 21.3	1 1
:	CASE NO. (100/100/ 0) TEN YR PROD=	: :		:	542.31 771.83 563.92	:	19.37 28.68 19.98	:	0.0	:
	CASE NO. (100/ 75/100/ TEN YR PRUD=		NEWPORT HAWTHORNE MC ALESTER	:	572.45 809.42 595.79	:	19.70 29.00 20.31	:	0.0	:
	CASE NO. (100/75/75) TEN YR PROD=			:	561.16 195.34 583.85	:	19.57 28.87 20.18	:	0.0	:
:	CASE NO. (100/ 75/ 50) TEN YR PROD=	: :	NEWPORT HAWTHORNE MC ALESTER	:	549.87 781.25 571.91	:	19.45 28.76 20.06	:	0.0	:
	CASE NO. (100/ 75/ 25) TEN YR PROD=	: 3	NEWPORT HAWTHORNE MC ALESTER	:	538.58 767.16 559.97	:	19.34 28.65 19.94	:	0.0	:
:	CASE NO. 16 (100/ 75/ 0) TEN YR PROD=	: 1	NEWPORT HAWTHORNE MC ALESTER	:	527.28 753.08 548.03	:	19.23 28.54 19.83	:	0.0	:

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SUPPLEMENTARY COMP-B SITE SELECTION TWO LINE CAPACITY COST /SENSITIVITY /RISK INCREASE IN NEWPORT AAP COSTS CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0% (COST IN SMILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.) _______ : IDENTIFICATION :: SITE : COST : SIGMA : : CASE NO. 11 :: NEWPORT : 557.42 : 19.53 : ***** : (100/ 50/100) :: HAWTHORNE : 790.67 : 28.83 : 0.0 : TEN YR PROD= 1530:: MC ALESTER : 579.90 : 20.14 : 21.1 : : CASE NO. 12 :: NEWPORT : 546.13 : 19.41 : ***** : (100/ 50/ 75) :: HAWTHORNE : 776.59 : 28.72 : 0.0 : TEN YR PROD= 1395:: MC ALESTER : 567.96 : 20.02 : 21.7 : CASE NO. 13 : NEWPORT : 534.84 19.30 : ***** : (100/ 50/ 50) :: HAWTHORNE : 762.50 : 28.61 : 0.0 : TEN YR PROD= 1260: MC ALESTER : 556.02 : 19.90 : 22.2 : CASE NO. 14 :: NEWPORT : 523.54 : 19.20 : ***** : (100/ 50/ 25) :: HAWTHORNE : 748.41 : 28.51 : 0.0 : TEN YR PROD= 1125: MC ALESTER : 544.08 : 19.80 : 22.8 : \$-----: CASE NO. 15 :: NEWPORT : 512.25 : 19.10 : ***** : (100/ 50/ 0) :: HAWTHORNE : 734.33 : 28.42 : 0.0 : TEN YR PROD= 990: MC ALESTER : 532.14 : 19.70 : 23.4 : : CASE NO. 16 :: NEWPORT : 542.39 : 19.38 : ***** : (100/ 25/100) :: HAWTHORNE : 771.93 : 28.68 : 0.0 : TEN YR PROD= 1395: MC ALESTER : 564.01 : 19.98 : 21.9 : CASE NO. 17 :: NEWPORT : 531.10 : 19.27 : **** : (100/ 25/ 75) :: HAWTHORNE : 757.84 : 28.58 : 0.0 : TEN YR PROD= 1260:: MC ALESTER : 552.07 : 19.87 : 22.4 : CASE NO. 18 :: NEWPORT : 519.81 : 19.16 : ***** : (100/ 25/ 50) :: HAWTHORNE : 743.75 : 28.48 : 0.0 : TEN YR PROD= 1125:: MC ALESIER : 540.12 : 19.76 : 23.0 : CASE NO. 17 :: NEWPORT : 508.51 : 19.07 : ***** : (100/ 25/ 25) :: HAWTHORNE : 729.67 : 28.39 : 0.0 : TEN YR PROD= 990: MC ALESTER : 528.18 : 19.67 : 23.6 : CASE NO. 20 :: NEWPORT : 497.22 : 18.98 : ***** : (100/ 25/ 0) :: HAWTHORNE : 715.58 : 28.30 : 0.0 : TEN YR PROD= 855:: MC ALESTER : 516.24 : 19.58 : 24.3

SUPPLEMENTARY COMP-B SITE SELECTION TWO LINE CAPACITY

COSI /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0% (COST IN SMILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

	#								0
	: IDFNTIFICATION ::	SITE	I	CUST		SIGMA		RISK(%)	:
•	: CASE NO. 21 :: : (100/ 0/100) :: : TEN YR PRUD= 1260::	NEWPORT HAWTHORNE MC ALESTER	:	527.36 753.18 548.11		19.23 28.55 19.83	:	0.0	:
									#
	: CASE NO. 22 :: : (100/ 0/ 75) :: : TEN YR PROD= 1125:	NEWPORT HAWTHORNE MC ALESTER	:	516.07 739.09 536.17	:	19.13 28.45 19.73	:	0.0	:
	***************************************								#
	: CASE NO. 23 :: : (100/ 0/ 50) :: : TEN YR PROD= 990:	NEWPORT HAWTHORNE MC ALESTER	:	504.78 725.00 524.23	3	19.04 28.36 19.64	•	0 · 0 23 · 8	:
	: CASE NO. 24 1:	NEWPORT		403 40		18 05		00000	+
	: (100/ 0/ 25) : TEN YR PROD= 855:	HAWTHORNE MC ALESTER	:	493.48 710.92 512.29	*	18.95 28.28 19.55	:	0.0	:
	: CASE NO. 25 ::	NEWPORT	:	482.19	:	18.88	:	****	
9	: (100/ 0/ 0) :: TEN YP PROD= 720::	HAWTHORNE MC ALESTER	:	696.83	:	28.20	:	0.0	:
	: CASE NO. 26 ::	NEWPORT	:	559.43	:	19.55	:	****	#
	: (75/100/100) :: : TEN YR PROD= 1620::	MC ALESTER	:	793.18 582.03	:	28.86	:	0.0	:
	: CASE NO. 2/ ::	NEWPORT	:	540.14	:	19.43	:	****	*
	: (75/100/ 75) :: : TEM YR PROD= 1485::	HAWTHORNE MC ALESTER	1	779.09	:	28.74	ī	0.0	9
	*			210.00					#
	: CASE NO. 28 ::	NEWPORT	•	536.85	:	19.32	:	****	8
	: TEN YR PROD= 1350::	MC ALESTER		765.01 558.14	3	28.63		0.0	
	: CASE NO. 27 :	NEWPORT	:	525.55	:	19.22	:	****	4
	: (75/100/ 25) : : TEM YR PROD= 1215::	MC ALESTER	:	750.92 546.20		28.53	*	0.0	1
	CASE NO. 30 ::	NEWPORT	:	514.26	:	17.12	:	****	+
	(75/100/ 0) :: TEN YR PROD= 1080::		•	736.83 534.26	3	28.43	:	0.0	2
									#

SUPPLEMENTARY COMP-B SITE SELECTION . TWO LINE CAPACITY

COSÍ /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATIO	N ::	SITE	:	COST	*	SIGMA	:	RISK(%)	
CASE NO. 31		NEWPORT		544.40		19.40		****	• •
(75/ 75/100)			1	774.43	1	28.70		0.0	
TEN YR PROD=				566.13		20.00		21.8	
CASE NO. 32	2 2	NEWPORT	8	533.11		14.29	2	***	
(75/ 75/ 75)	-	HAWTHORNE	2	760.34	3	28.60	:	0 • 0	
TEN YR PROD=	1350::	MC ALESTER	1	554.19		19.89	8	22.3	
CASE NO. 33	::	NEWPORT	1	521.82	1	19.18	:	****	
(75/ 75/ 50)		HAWTHORNE	2	746.26		28.50	-	0 • 0	
TEN YR PROD=		MC ALESTER		542.25	:	19.78		22.9	
CASE NO. 34	: :	NEWPORT .	0	510.52	:	19.09	:	****	
1 75/ 75/ 251		HAWTHORNE	2	132.17	:	28.40	:	0.0	
TEN YR PROD=	1080::	MC ALESTER		530.31	1	19.68	\$	23.5	
CASE NO. 35	::	NEWPORT	:	A00 22	:	10.00		****	-
(75/ 75/ 0)		HAWTHORNE	•	499.23	1	19.00		0.0	
TEN YR PROD=		MC ALESTER		518.37		19.59		24.2	
		THE ALESTER		210.31		17.07			
CASE NO. 36	. :	NEWPORT	2	529.37	2	19.25	1	***	
(75/ 50/100)	1 1	HAWTHORNE	8	755.68	1	28.56	:	0.0	
TEN YR PROD=	1350::	MC ALESTER	8	550.24	1	19.85	\$	22.5	
CASE NO. 37	1:	NEWPORT	:	518.08	1	19.15		00000	-
(75/ 50/ 75)		HAWTHORNE	:	741.60	2	28.47		0.0	
TEN YR PROD=		MC ALESTER		538.30	1	19.75	2	23.1	
CASE NO. 38		NEWPORT	2	506.79	2	19.06	2	***	
(75/ 50/ 50)		HAWTHORNE	\$	727.51	8	28.38	:	0.0	
TEN YR PROD=	1080::	MC ALESTER	1	526.36	2	19.65	\$	23.7	
CASE NO. 39	::	NEWPORT	:	495,49		18.97	:	00000	-
(75/ 50/ 25)		HAWTHORNE	-	713.42	1	28.29	-	0.0	
TEN YR PROD=		MC ALESTER	3	514.41	:	19.56	:	24.4	
CASE NO. 40		NEWPORT	2	484.20	1	18.89	:	***	
(75/ 50/ 0)			:	699.34		28.22	8	0.0	
TEN YR PROD=	810::	MC ALESTER	:	502.47	2 :	19.48	1	25.0	

SUPPLEMENTARY COMP-B SITE SELECTION TWO LINE CAPACITY COST /SENSITIVITY /HISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0% (COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATIO	N :	SITE	:	COST	1	SIGMA	:	RISK(%)	:
CASE NO. 41 (75/ 25/100) TEN YR PROD=		NEWPORT HAWTHORNE MC ALESTER		514.34 736.93 534.34		19.12 28.44 19.72	:	0.0	:
CASE NO. 42 (75/ 25/ 75) TEN YR PROD=	2 2	HAWTHORNE		503.05 722.85 522.40		19.03 28.35 19.62	:	0.0 23.9	:
CASE NO. 43 (75/ 25/ 50) TEM YR PROD=	2 3	NEWPORT HAWTHORNE MC ALESTER	\$ \$ \$	491.76 /08.76 510.46	:	18.94 28.27 19.54	:	0.0 24.6	:
CASE NO. 44 (75/ 25/ 25) TEN YR PROD=	: 1		:	480.46 694.67 498.52	:	18.86 28.19 19.46	:	0 · 0 25 · 3	:
CASE NO. 45 (75/ 25/ 0) TEN YR PROD=	: :	HAWTHORNE	:	469.17 680.59 486.58	:	18.79 28.12 19.39	:	0.0	:
CASE NO. 46 (75/ 0/100) TEN YR PROD=	: :	NEWPORT HAWTHORNE MC ALESTER	:	499.31 718.18 518.45	:	19.00 28.32 19.59	: : : : : : : : : : : : : : : : : : : :	0 • 0 24 • 2	:
CASE NO. 47 (75/ 0/ 75) TEN YR PROD=	: 1	NEWPORT HAWTHORNE MC ALESTER	:	488.02 704.10 506.51	:	18.91 28.24 19.51	:	0 • 0 24 • 8	:
CASE NO. 48 (75/ 0/ 50) TEN YR PROD=	: :	NEWPORT HAWTHORNE MC ALESTER	:	476.73 690.01 494.57	:	18.84 28.17 19.43	:	0.0 25.5	:
CASE NO. 49 (75/ 0/ 25) TEN YR PROD=	: 1	NEWPORT HAWTHORNE MC ALESTER	:	465.43 675.92 482.63	:	18.77 28.10 19.36	:	0.0	
CASE NO. 50 (75/ 0/ 0) TEN YR PROD=	2 2	HAWTHORNE	:	454.14 661.84 470.69	:	18.71 28.05 19.30	:	0.0	:

SUPPLEMENTARY COMP-B SITE SELECTION

[WO LINE CAPACITY

COS! /SENSITIVITY / HISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION ::	SITE	3	COST	7	SIGMA	3	RISK(%)	:
CASE NO. 51	NEWPORT		531.38	••••	19.27		****	
			758.19	:	28.58	•	0.0	
TEN YR PRODE 1440:	MC ALESTER		552.36	2	19.87	2	22.4	
	NO ALESTER		332,30		17.07		66.4	4
CASE NO. 52 ::	NEWPORT	1	520.09	:	19.17	:	***	:
(50/100/ 75) ::	HAWTHORNE	8	744.10		28.48	:	0.0	:
TEN YR PROD= 1305::	MC ALESTER	:	540.42	*	19.77	1	23.0	
CASE NO. 53	NEWPORT	:	508.80	:	19.07	:	****	
(50/100/ 50) :3	HAWTHORNE		730.02	3	28.39		0.0	
TEN YR PROD= 1170::		8	528.48		19.67	:	23.6	8
CASE NO. 54 ::	NEWPORT	:	497.50		18.98	:	****	4
	HAWTHORNE	ž	715.93	2	28.31	2	0.0	2
TEN YR PROD= 1035::	MC ALESTER	1	516.54		19.58		24.3	3
CASE NO. 55	NEWPORT	:	486.21		18.90	:	****	#
(50/100/ 0) ::	HAWTHORNE	2	701.84		28.23	1	0 • 0	1
TEN YR PROD= 900::	MC ALESTER	:	504.60		19.50		24.9	8
CASE NO. 56 ::	NEWPORT	:	516.35	1	19.13	:	****	#
(50/ 75/100) ::	HAWTHORNE	:	739.44		28.45		0.0	:
TEN YR PROD= 1305:1	MC ALESTER	1	536.47	:	19.73	8	23.2	8
CASE NO. 57	NEWPORT	:	505.06	:	19.04	:	94999	9
(50/ 75/ 75)	HAWTHORNE	8	725.35	1	28.36	8	0.0	0
TEN YR PROD= 1170::	MC ALESTER	1	524.53	:	19.64		23.8	:
	NEWPORT	:	493.77	:	18.96	:	****	:
(50/ 75/ 50! ::	HAWTHORNE		711.27	2	28.28		0.0	:
TEN YR PROD= 1035::	MC ALESTER	:	512.59		19.55	2	24.5	:
CASE NO. 59 :	NEWPORT	:	482.47		10.08	;	****	0
(50/ 75/ 25) :1	HAWTHORNE		697.18		28.20	ī	0.0	
TEN YR PROD= 900:	MC ALESTER	1	500.65	:	19.47	:	25.1	:
CASE NO. 60 1:	NEWPORT	:	471.18	:	18.81	:	****	
(50/ 75/ 0) ::	HAWTHORNE	8	683.09	8	28.14	1	0.0	:
TEN YR PRODE 765::	MC ALESTER		488.70	2	19.40	2	25.8	

SUPPLEMENTARY COMP-B SITE SELECTION TWO LINE CAPACITY COSI /SENSITIVITY /KISK

IDENTIFICATION	N :	SITE		COST	2	SIGMA		RISK(%)	1
CASE NO. 61 (50/ 50/100) TEN YR PROD=		NEWPOR! HAWTHORNE MC ALESTER		501.32 720.69 520.57	:	19.01 28.33 19.61	:	0.0	:
CASE NO. 62 (50/ 50/ 75) TEN YR PROD=	: :	HAWTHORNE	:	490.03 706.60 508.63	:	18.93 28.25 19.52	:	0 • 0 24 • 7	:
CASE NO. 63 (50/ 50/ 50! TEN YR PROD=	: :	NEWPORT HAWTHORNE MC ALESTER	:	478.73 692.52 496.69	2 2 2	18.65 28.18 19.45	:	0 • 0 25 • 4	:
CASE NO. 64 (50/ 50/ 25) TEN YR PROD=	: :	NEWPORT HAWTHORNE MC ALESTER	:	467.44 678.43 484.75	\$ \$ \$	18.78 28.11 19.37	:	0 • 0 26 • 1	:
CASE NO. 65 (50/50/0) TEN YR PROD=	: :	NEWPORT HAWTHORNE MC ALESTER	:	456.15 664.34 472.81	:	18.72 28.06 19.31	:	0.0	:
CASE NO. 66 (50/ 25/100) TEN YR PRODE	: :	NEWPORT HAWTHORNE MC ALESTER	:	486.29 701.94 504.68	:	18.90 28.23 19.50		0.0	:
CASE NO. 67 (50/ 25/ 75) TEN YR PRODE	: :	NEWPORT HAWTHORNE MC ALESTER	:	475.00 687.85 492.74	:	18.83 28.16 19.42	:	0 · 0 25 · 6	:
CASE NO. 68 (50/ 25/ 50) TEN YR PROD=	: :	NEWPORT HAWTHORNE MC ALESTER	:	463.70 673.77 480.80	:	18.76 28.09 19.35	:	0.0 26.3	:
CASE NO. 69 (50/ 25/ 25) TEN YR PROD=	2 2	NEWPORT HAWTHORNE MC ALESTER		452.41 659.68 468.86	:	18.70 28.04 19.29	:	0 • 0 27 • 0	8
CASE NO. 70 (50/ 25/ 0) TEN YR PROD=		NEWPORT HAWTHORNE MC ALESTER	:	441.12 645.59 456.92	:	18.65 27.99 19.24	:	0 • 0 27 • 8	:

SUPPLEMENTARY COMP-B SITE SELECTION TWO LINE CAPACITY

COST /SENSITIVITY /HISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0% (COST IN SMILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION : SITE COST : SIGMA : RISK(%) : CASE NO. 71 :: NEWPORT : 471.26 : 18.81 : **** : (50/ 0/100) :: HAWTHORNE : 683.19 : 28.14 : 0.0 : TENLYR PROD= 900: MC ALESTER : 488.79 : 19.40 : 25.8 : CASE NO. 72 :: NEWPORT : 459.97 : 18.74 : **** : (50/ 0/75) :: HAWTHORNE : 669.10 : 28.07 : 0.0 : TEN YR PROD= 765:: MC ALESTER : 476.85 : 19.33 : 26.5 : -----CASE NO. 73 :: NEWPORT : 448.67 : 18.69 : **** : (50/ 0/50) :: HAWTHORNE : 655.02 : 28.02 : 0.0 : TEN YR PROD= 630: MC ALESTER : 464.90 : 19.27 : 27.3 : ------------CASE NO. 74 :: NEWPORT : 43/.38 : 18.64 : ***** : (50/ 0/25) :: HAWTHORNE : 640.93 : 27.97 : 0.0 : TEN YR PROD= 495: MC ALESTER : 452.96 : 19.22 : 28.0 : -------------------CASE NO. 75 :: NEWPORT : 426.09 : 18.59 : **** : (50/ 0/ 0) :: HAWTHORNE : 626.85 : 27.93 : 0.0 : TEN YR PROD= 360: MC ALESTER : 441.02 : 19.18 : 28.8 -------_____ CASE NO. 76 :: NEWPORT : 503.33 : 19.03 : **** : (25/100/100) :: HAWTHORNE : 723.20 : 28.35 : 0.0 : TEN YR PROD= 1260:: MC ALESTER : 522.70 : 19.62 : 23.9 : CASE NO. 7/ :: NEWPORT : 492.04 . 18.94 : **** : (25/100/75) :: HAWTHORNE : 709.11 : 28.27 : 0.0 : TEN YR PROD= 1125: MC ALESTER : 510.76 : 19.54 : 24.6 : CASE NO. 78 :: NEWPORT : 480.74 : 18.87 : **** : (25/100/50) :: HAWTHORNE : 695.02 : 28.19 : 0.0 : TEN YR PROD= 990: MC ALESTER : 498.82 : 19.46 : 25.2 : CASE NO. 79 :: NEWPORT : 469.45 : 18.80 : *****
(25/100/ 25) :: HAWTHORNE : 680.94 : 28.13 : 0.0
TEN YR PROD= 855:: MC ALESTER : 486.88 : 19.39 : 25.9 CASE NO. 80 :: NEWPORT : 458.16 : 18.73 : **** : (25/100/ 0) :: HAWTHORNE : 666.85 : 28.07 : 0.0 : TEN YR PROD= 720:: MC ALESTER : 474.93 : 19.32 : 26.7 :

SUPPLEMENTARY COMP-B SITE SELECTION IWO LINE CAPACITY COST /SENSITIVITY /RISK

IDENTIFICATION	1 1	SITE	3	CUST	2	SIGMA		RISK(%)	
CASE NO. 81		NEWPORT		488.30	:	18.92	1:	****	:
(25/ 75/100) TEN YR PROD=	1125:1	MC ALESTER	1	704.45 506.81	:	28.24	:	0 • 0 24 • 8	:
CASE NO. 82		NEWPORT	:	477.01		18.84	:	****	1
(25/ 75/ 75) TEN YR PROD=	990::	MC ALESTER	:	690.36	2	28.17	:	25.5	
CASE NO. 83		NEWPORT	:	465.71	:	18.77	:	****	:
(25/ 75/ 50) TEN YR PROD=		HAWTHORNE MC ALESTER	3	676.27 482.92	2	28.11	:	26.2	4
CASE NO. 84		NEWPORT	:	454.42	:	18./1	:	****	1
(25/ 75/ 25) TEN YR PROD=		MC ALESTER	1	662.19 470.98	3	28.05	:	0.0	:
CASE NO. 85		NEWPORT	:	443.13	:	18.66	:	****	:
(25/ 75/ 0) TEN YR PROD=		MC ALESTER	2	648.10 459.04	:	28.00	:	27.6	:
CASE NO. 86		NEWPORT	1	473.27	:	18.82	:	****	:
(25/ 50/100) TEN YR PROD=		MC ALESTER	2	685.70 490.91	1	28.15	:	0 · 0 25 · 7	:
CASE NO. 8!	-	NEWPORT	:	461.98	:	10.15	:	00000	:
(25/ 50/ 75) TEN YR PROD=	-	MC ALESTER	1	671.61 478.97	\$	28.09	:	26.4	:
CASE NO. 88		NEWPORT	:	450.68	:	18.69	:	****	
(25/ 50/ 50) TEN YR PROD=		MC ALESTER	:	657.52 467.03	:	28.03	:	0 · 0 27 · 1	:
CASE NO. 87		NEWPORT	:	439.39	!	18.64	:	****	:
(25/ 50/ 25) TEN YR PROD=		HAWTHORNE MC ALESTER	1	643.44 455.09	:	27.98	:	0.0	:
CASE NO. 90		NEWPORT	:	428,10	:	18.60	:	****	:
(25/ 50/ 0) TEN YR PROD=			:	629.35	:	27.94	3	0 • 0 28 • 7	:

SUPPLEMENTARY COMP-B SITE SELECTION TWO LINE CAPACITY COST /SENSITIVITY /HISK INCREASE IN NEWPORT AAP COSTS CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0% (COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATIO			:	CUST	:	SIGMA	į	RISK(%)
CASE NO. 91 (25/ 25/100) TEN YR PROD=	11	NEWPORI	:	458.24 666.95 475.02	:	18.73 28.07 19.32	:	0.0
CASE NO. 92 (25/ 25/ 75) TEN YR PROD=	: 1	NEWPORT HAWTHORNE MC ALESTER	:	446.95 652.86 463.08	:	18.68 28.01 19.27	:	0 • 0 27 • 4
CASE NO. 93 (25/ 25/ 50) TEN YR PROD=		NEWPORT HAWTHORNE MC ALESTER	:	435.65 638.78 451.14	:	18.63 27.97 19.22	:	0 • 0 28 • 1
CASE NO. 94 (25/ 25/ 25) TEN YR PROD=	: 1	NEWPORT HAWTHORNE MC ALESTER	:	424.36 624.69 439.19	:	18.59 27.93 19.18	:	0.0
CASE NO. 95 (25/ 25/ 0) TEN YR PROD=	::	NEWPORT HAWTHORNE MC ALESTER	: :	413.07 610.60 427.25	:	18.56 27.90 19.14	:	0.0
CASE NO. 96 (25/ 0/100! TEN YR PROD=	1 1	NEWPORT HAWTHORNE MC ALESTER	:	443.21 648.20 459.12	;	18.66 28.00 19.25	:	0 • 0 27 • 6
CASE NO. 97 (25/ 0/ 75) TEN YR PROD=	: 1	NEWPORT HAWTHORNE MC ALESTER	:	431.92 634.11 447.18	:	18.61 27.95 19.20	:	0 • 0 28 • 4
CASE NO. 98 (25/ 0/ 50! TEN YR PROD=	450:	NEWPORT HAWTHORNE MC ALESTER	:	420.62 620.03 435.24	:	18.58 27.92 19.16	:	0.0
CASE NO. 99 (25/ 0/ 25) TEM YR PROD=	315::	NEWPORT HAWTHORNE MC ALESTER	:	409.33 605.94 423.30	:	18.55 27.89 19.13	i	0 • 0 30 • 0
CASE NO. 100 (25/ 0/ 0) TEN YR PROD=	: :	NEWPORT HAWTHORNL MC ALESTER	:	398.04 591.85 411.36	:	18.52 27.87 19.11	:	0.0

SUPPLEMENTARY COMP-B SITE SELECTION TWO LINE CAPACITY COST /SENSITIVITY /MISK INCREASE IN NEWPORT AAP COSTS CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0% (COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION	11	SITE		COST	,	SIGMA	2	RISK(%)	1
CASE NO. 101	::	NEWPORI		475.28		18.83		****	* * * *
(0/100/100)	2 2	HAWTHORNE	2	688.20		28.16	1	0.0	1
TEN YR PROD=	1080::	MC ALESTER	2	493.04	1	19.42		25.6	
CASE NO. 102	; :	NEWPORT	:	463.99	1	18.16	:	****	. 1
(0/100/ 75)	: 3	HAWTHORNE	:	674.12	2	28.10	1	0.0	
TEN YR PROD=	945:1	MC ALESTER		481.10	ı	19.35		26.3	1
CASE NO. 103	: 1	NEWPORT	:	452.69	1	18.70	:	****	:
(0/100/ 50)	: 3	HAWTHORNE	2	660.03	2	28.04	1	0.0	1
TEN YR PROD=	810::	MC ALESTER	2	469.15	1	19.29		27.0	:
CASE NO. 104	::	NEWPORT	:	441.40	:	18.65	:	****	
(0/100/ 25)	: 1	HAWTHORNE	1	645.94	2	27.99	1	0.0	:
TEN YR PROD=	675:1	MC ALESTER	:	457.21	\$	19.24	1	27.8	
CASE NO. 105	; ;	NEWPORT	:	430.11	;	18.61	:	****	:
(0/100/ 0)	1 1	HAWTHORNE	2	631.86	2	27.95	:	0.0	1
TEN YR PROD=	540:1	MC ALESTER	1	445.27	1	19.20	1	28.5	3
CASE NO. 106	1 3	NEWPORT	:	460.25	1	18.74		****	:
(0/ 75/100)	: 1	HAWTHORNE	2	669.45	2	28.08	:	0.0	8
TEN YR PROD=	945:1	MC ALESTER	1	477.14	1	19.33	:	26.5	:
CASE NO. 107	; ;	NEWPORT	:	448.95	:	18.69	;	****	1
	1 1	HAWTHORNE	2	655.37	2	28.02	\$	0.0	
TEN YR PROD=	810::	MC ALESTER	:	465.20	:	19.28	:	27.3	4
CASE NO. 108	: 1	NEWPORT	1	437,66	1	18.64	ī	****	:
	: 1		1	641.28	0	27.97	:	0.0	
TEN YR PROD=	675::	MC ALESTER	:	453.26	1	19.23	:	28.0	:
CASE NO. 10%	: :	NEWPORT		426.37	1	10.60	:	****	
(0/ 75/ 25)	1.1	HAWTHORNE	1	627.20	\$		2	0 • 0	8
TEN YR PROD=	540::	MC ALESTER	:	441.32	:	19.18	:	28.8	4
CASE NO. 110	::		:	415.08	1	18.56	:	****	:
(0/ 75/ 0)	0 0	HAWTHORNE	8	613.11	2	27.90		0.0	2
TEN YR PROD=				429.38		19.15		29.6	

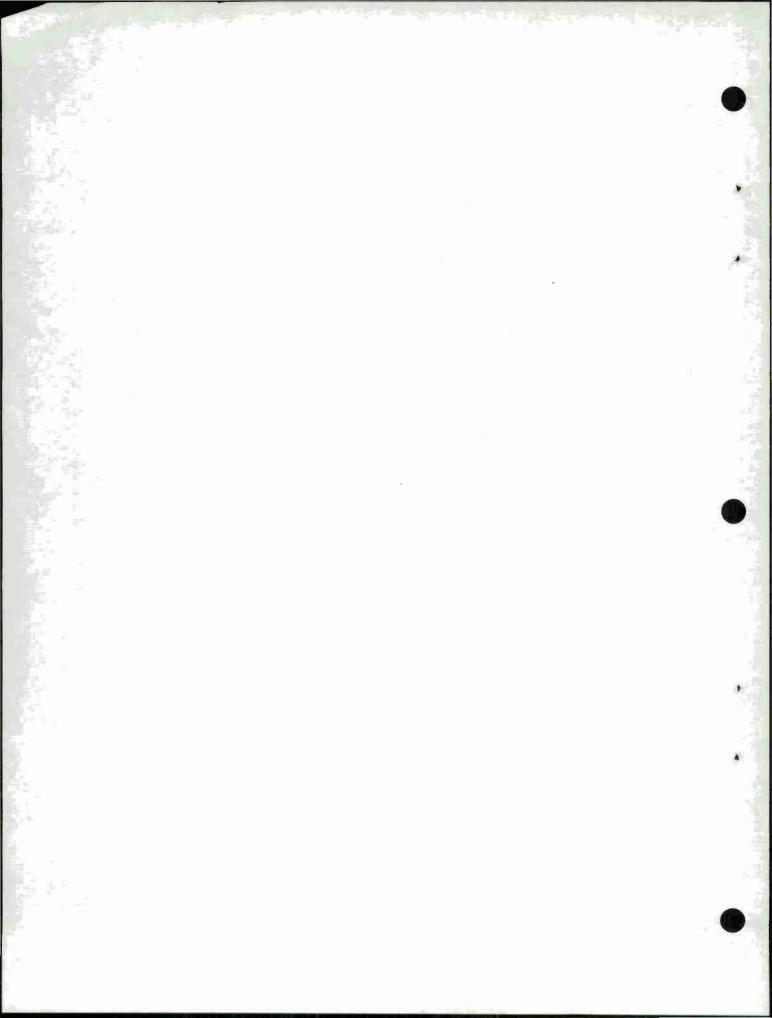
SUPPLEMENTARY COMP-B SITE SELECTION TWO LINE CAPACITY COST /SENSITIVITY /RISK

the later was a second		1000	12-3			01 2001		And the second	
IDENTIFICATION	: :	SITE	:	cost	;	SIGMA	1	RISK(%)	
CASE NO. 111	::	NEWPORT		445.22		18.67		****	
(0/ 50/100)	2.1	HAWTHORNE		650.71		28.01		0.0	
TEN YR PRODE	810::	MC ALESTER	1	461.25		19.26	1	27.5	
CASE NO. 112	;;	NEWPORT	:	433, 92		18.62	:	****	-
(0/ 50/ 75)		HAWTHORNE	î	636.62		27.96	-	0.0	
TEN YR PRODE	675::	MC ALESTER	\$	449.31	*	19.21	2	28.3	
CASE NO. 113	::	NEWPORT	:	422.63	:	18.58	:	****	-
(0/ 50/ 50)	: :	HAWTHORNE	2	622.53	8	27.92		0.0	
TEN YR PROD=	540:1	MC ALESTER		437.37	1	19.17	\$	29.1	
CASE NO. 114	; :	NEWPORT	:	411.34	:	18.55	:	****	-
(0/ 50/ 25)	::	HAWTHORNE	2	608.45	8	27.89		0.0	
TEN YR PROD=	405::	MC ALESTER	:	425.43		19.14		29.9	
CASE NO. 115	::	NEWPORT	:	400.05	:	18.53	:	***	-
(0/ 50/ 0)	: :	HAWTHORNE	2	594.36	1	27.87		0.0	
TEN YR PROD=	270::	MC ALESTER	2	413.48.		19.11	1	30.7	
CASE NO. 116	::	NEWPORT	:	430.19	:	18.61	:	****	-
(0/ 25/100)	: :	HAWTHORNE	2	631.96	1	27.95		0.0	
TEN YR PROD=	675::	MC ALESTER	:	445.35	:	19.20		28.5	_
CASE NO. 11/	::	NEWPORT	:	418.89	:	18.57	:	****	
(0/ 25/ 75)	: :	HAWTHORNE	2	617.87	2	27.91	1	0.0	
TEN YR PROD=	540::	MC ALESTER	:	433.41	1	19.16		29.3	
CASE NO. 118	: 1	NEWPORT	1 .	407.60	:	18.54	:	****	
(0/ 25/ 50)	: 3	HAWTHORNE	:	603.78	2	27.88		0.0	
TEN YR PROD=	405::	MC ALESTER	1	421.47	:	19.13	;	30.1	
CASE NO. 119	1 :	NEWPORT	:	396.31	;	18.52	:	****	
(0/ 25/ 25)		HAWTHORNE	1	589.70	3	27.86	:	0.0	
TEN YR PRODE	270:1	MC ALESTER	:	409.53	:	19.11	:	31.0	-
CASE NO. 120	::	NEWPORT	:	385.02	1	18.51	:	****	
(0/ 25/ 0)	11	HAWTHORNE	1	575.61	2	27.85	2	0.0	
TEN YR PROD=	135:1	MC ALESTER	\$	397.59	2	19.09	8	31.8	

SUPPLEMENTARY COMP-B SITE SELECTION TWO LINE CAPACITY

IDENTIFICATION	Y ::	SITE	*	CUST	?	SIGMA		RISK(%)	1

CASE NO. 121	: 1	NEWPORT	2	415.16		18.56		***	
(0/ 0/100)	: 1	HAWTHORNE	- 8	613.21	:	27.90	\$	0 • 0	1
TEN YR PROD=	540:1	MC ALESTER		429.46	1	19.15		29.6	-
									+
CASE NO. 122	0 0	NEWPORT		403.86	\$	18.53	8	***	1
(0/ 0/ 75)	: :	HAWTHORNE		599.12	2	27.88	1	0.0	
TEN YR PROD=	405:1	MC ALESTER	1	417.52	3	19.12	:	30.4	
									4
CASE NO. 123	3 :	NEWPORT	*	392.57	0	18.51	8	****	\$
(0/ 0/ 50)	: 1	HAWTHORNE	8	585.03	2	27.86	1	0.0	2
TEN YR PROD=	270::	MC ALESTER	1	405.58	2	19.10	3	31.2	2
									#
CASE NO. 124	: :	NEWPORT	0	381.28	1	18.50	5	****	\$
(0/ 0/ 25)	2 2	HAWTHORNE	:	570.95	8	27.85	1	0.0	8
TEN YR PROD=	135::	MC ALESTER	:	393.64	1	19.09	8	32 - 1	1
									0
CASE NO. 125	: 1	NEWPORT	\$	369.99	\$	18.50		***	\$
(0/ 0/ 0)	: :	HAWTHORNE	:	556.86		27.84		0.0	
TEN YR PROD=	0::	MC ALESTER	1	381.70	*	19.08	2	33.0	0
	CASE NO. 121 (0/ 0/100) TEN YR PROD= CASE NO. 122 (0/ 0/ 75) TEN YR PROD= CASE NO. 123 (0/ 0/ 50) TEN YR PROD= CASE NO. 124 (0/ 0/ 25) TEN YR PROD= CASE NO. 125 (0/ 0/ 0/ 0)	(0/ 0/100) :: TEN YR PROD= 540:: CASE NO. 122 :: (0/ 0/75) :: TEN YR PROD= 405:: CASE NO. 123 :: (0/ 0/50) :: TEN YR PROD= 270:: CASE NO. 124 :: (0/ 0/25) :: TEN YR PROD= 135:: CASE NO. 125 :: CASE NO. 125 :: (0/ 0/ 0/ 0) ::	CASE NO. 121 : NEWPOR! (0/ 0/100) : HAWTHORNE TEN YR PROD= 540: MC ALESTER CASE NO. 122 :: NEWPORT (0/ 0/ 75) :: HAWTHORNE TEN YR PROD= 405: MC ALESTER CASE NO. 123 :: NEWPORT (0/ 0/ 50) :: HAWTHORNE TEN YR PROD= 270: MC ALESTER CASE NO. 124 :: NEWPORT (0/ 0/ 25) :: HAWTHORNE TEN YR PROD= 135: MC ALESTER CASE NO. 124 :: NEWPORT (0/ 0/ 25) :: HAWTHORNE TEN YR PROD= 135: MC ALESTER CASE NO. 125 :: NEWPORT (0/ 0/ 0/ 0) :: HAWTHORNE	CASE NO. 121 : NEWPORT : (0/ 0/100) : HAWTHORNE : TEN YR PROD= 540: MC ALESTER : CASE NO. 122 :: NEWPORT : (0/ 0/ 75) :: HAWTHORNE : TEN YR PROD= 405: MC ALESTER : CASE NO. 123 :: NEWPORT : (0/ 0/ 50) :: HAWTHORNE : TEN YR PROD= 270: MC ALESTER : CASE NO. 124 : NEWPORT : (0/ 0/ 25) :: HAWTHORNE : TEN YR PROD= 135: MC ALESTER : CASE NO. 125 :: NEWPORT : (0/ 0/ 25) :: HAWTHORNE : TEN YR PROD= 135: MC ALESTER :	CASE NO. 121 : NEWPORT : 415.16 (0/ 0/100) : HAWTHORNE : 613.21 TEN YR PROD= 540: MC ALESTER : 429.46 CASE NO. 122 :: NEWPORT : 403.86 (0/ 0/ 75) :: HAWTHORNE : 599.12 TEN YR PROD= 405: MC ALESTER : 417.52 CASE NO. 123 :: NEWPORT : 392.57 (0/ 0/ 50) :: HAWTHORNE : 585.03 TEN YR PROD= 270: MC ALESTER : 405.58 CASE NO. 124 :: NEWPORT : 381.28 (0/ 0/ 25) :: HAWTHORNE : 570.95 TEN YR PROD= 135: MC ALESTER : 393.64 CASE NO. 125 :: NEWPORT : 369.99 (0/ 0/ 0/ 0) :: HAWTHORNE : 556.86	CASE NO. 121 : NEWPOR! : 415.16 : (0/ 0/100) : HAWTHORNE : 613.21 : TEN YR PROD= 540: MC ALESTER : 429.46 : CASE NO. 122 :: NEWPORT : 403.86 : (0/ 0/ 75) :: HAWTHORNE : 599.12 : TEN YR PROD= 405: MC ALESTER : 417.52 : CASE NO. 123 : NEWPORT : 392.57 : (0/ 0/ 50) :: HAWTHORNE : 585.03 : TEN YR PROD= 270: MC ALESTER : 405.58 : CASE NO. 124 : NEWPORT : 381.28 : (0/ 0/ 25) :: HAWTHORNE : 570.95 : TEN YR PROD= 135: MC ALESTER : 393.64 : CASE NO. 125 :: NEWPORT : 369.99 : CASE NO. 125 :: NEWPORT : 369.99 : (0/ 0/ 0/ 0) :: HAWTHORNE : 556.86 :	CARE NO. 121 : NEWPOR! : 415.16 : 18.56 (0/ 0/100) : HAWTHORNE : 613.21 : 27.90 TEN YR PROD= 540: MC ALESTER : 429.46 : 19.15 CASE NO. 122 :: NEWPORT : 403.86 : 18.53 (0/ 0/ 75) :: HAWTHORNE : 599.12 : 27.88 TEN YR PROD= 405: MC ALESTER : 417.52 : 19.12 CASE NO. 123 :: NEWPORT : 392.57 : 18.51 (0/ 0/ 50) :: HAWTHORNE : 585.03 : 27.86 TEN YR PROD= 270: MC ALESTER : 405.58 : 19.10 CASE NO. 124 :: NEWPORT : 381.28 : 18.50 (0/ 0/ 25) :: HAWTHORNE : 570.95 : 27.85 TEN YR PROD= 135: MC ALESTER : 393.64 : 19.09 CASE NO. 125 :: NEWPORT : 369.99 : 18.50 (0/ 0/ 0/ 0) :: HAWTHORNE : 556.86 : 27.84	CASE NO. 121 : NEWPOR! : 415.16 : 18.56 : (0 / 0 / 100) : HAWTHORNE : 613.21 : 27.90 : TEN YR PROD= 540: MC ALESTER : 429.46 : 19.15 : CASE NO. 122 : NEWPORT : 403.86 : 18.53 : (0 / 0 / 75) : HAWTHORNE : 599.12 : 27.88 : TEN YR PROD= 405: MC ALESTER : 417.52 : 19.12 : CASE NO. 123 : NEWPORT : 492.57 : 18.51 : (0 / 0 / 50) : HAWTHORNE : 585.03 : 27.86 : TEN YR PROD= 270: MC ALESTER : 405.58 : 19.10 : CASE NO. 124 : NEWPORT : 381.28 : 18.50 : TEN YR PROD= 135: MC ALESTER : 393.64 : 19.09 : CASE NO. 125 : HAWTHORNE : 570.95 : 27.85 : TEN YR PROD= 135: MC ALESTER : 393.64 : 19.09 : CASE NO. 125 : NEWPORT : 369.99 : 18.50 : (0 / 0 / 0 / 0) : HAWTHORNE : 556.86 : 27.84 : 18.50 : (0 / 0 / 0 / 0) : HAWTHORNE : 556.86 : 27.84 : 18.50 : (0 / 0 / 0 / 0) : HAWTHORNE : 556.86 : 27.84 : 18.50 : (0 / 0 / 0 / 0) : HAWTHORNE : 556.86 : 27.84 : 18.50 : (0 / 0 / 0 / 0) : HAWTHORNE : 556.86 : 27.84 : 18.50 : (0 / 0 / 0 / 0) : HAWTHORNE : 556.86 : 27.84 : 18.50 : (0 / 0 / 0 / 0) : HAWTHORNE : 556.86 : 27.84 : 18.50 : (0 / 0 / 0 / 0) : HAWTHORNE : 556.86 : 27.84 : (0 / 0 / 0 / 0) : HAWTHORNE : 556.86 : 27.84 : (0 / 0 / 0 / 0) : HAWTHORNE : 556.86 : 27.84 : (0 / 0 / 0 / 0) : HAWTHORNE : 556.86 : 27.84 : (0 / 0 / 0 / 0) : HAWTHORNE : 556.86 : 27.84 : (0 / 0 / 0 / 0) : HAWTHORNE : 556.86 : 27.84 : (0 / 0 / 0 / 0) : (0 / 0 / 0 / 0) : (0 / 0 / 0 / 0 / 0 / 0 / 0 / 0 / 0 / 0	CASE NO. 121 : NEWPOR! : 415.16 : 18.56 : ***** (0/ 0/100) : HAWTHORNE : 613.21 : 27.90 : 0.0 TEN YR PROD= 540: MC ALESTER : 429.46 : 19.15 : 29.6 CASE NO. 122 :: NEWPORT : 403.86 : 18.53 : **** (0/ 0/ 75) :: HAWTHORNE : 599.12 : 27.88 : 0.0 TEN YR PROD= 405: MC ALESTER : 417.52 : 19.12 : 30.4 CASE NO. 123 :: NEWPORT : 392.57 : 18.51 : **** (0/ 0/ 50) :: HAWTHORNE : 585.03 : 27.86 : 0.0 TEN YR PROD= 270: MC ALESTER : 405.58 : 19.10 : 31.2 CASE NO. 124 :: NEWPORT : 381.28 : 18.50 : **** (0/ 0/ 25) :: HAWTHORNE : 570.95 : 27.85 : 0.0 TEN YR PROD= 135: MC ALESTER : 393.64 : 19.09 : 32.1 CASE NO. 125 :: NEWPORT : 369.99 : 18.50 : **** (0/ 0/ 0/ 0) :: HAWTHORNE : 556.86 : 27.84 : 0.0



SUPPLEMENTARY RDX-HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0% (COST IN \$MILLION DISCOUNTED AT 10%) (QUANITIES IN MILLIONS OF LBS.)

IDENTIFICATION ::	SITE	•	COST		SIGMA	2	RISK(%)	:
CASE NO. 1 :: (100/100/100) :: TEM YR PROD= 3600::	HAWTHORNE		917.41 1244.79 942.96	:	30.14 43.87 31.03		0.0	:
CASE NO. 2 :1 (100/100/ 75) :1 TEN YR PROD= 3330:1	HAWTHORNE	:	898.86 1223.99 924.04	3 8	29.93 43.71 30.83	:	0 • 0 27 • 9	:
CASE NO. 3 :: (100/100/ 50) :: TEN YR PROD= 3060::		:	080.31 1203.18 905.12	:	29.73 43.55 30.63	:	0 • 0 28 • 1	:
CASE NO. 4 :: (100/100/ 25) :: TEN YR PROD= 2790::	HAWTHORNE	:	861.76 1182.37 886.20	:	29.54 43.40 30.44	:	0 • 0 0 • 0	:
CASE NO. 5 :: (100/100/ 0) :: TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	2	843.21 1161.57 867.28	:	29.36 43.26 30.27	:	0 • 0 28 • 4	:
CASE NO. 6 :: (100/ 75/100) :: TEN YR PROD= 3330::		:	892.72 1217.10 917.78	:	29.06 43.65 30.76	:	0 • 0 27 • 9	:
CASE NO. 7 :: (1n0/ 75/ 75) :: TEN YR PROD= 3060::		:	874.17 1196.29 898.86	:	29.67 43.50 30.57	. !	0.0	:
CASE NO. 8 :: (100/ 75/ 50) :: TEN YR PROD= 2790::		:	855.62 1175.49 879.94	:	29.48 43.35 30.38	:	0.0	:
CASE NO. 9 :: (100/ 75/ 25) :: TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	:	837.07 1154.68 861.02	:	29.31 43.21 30.21	:	0.0	:
CASE NO. 10 :: (100/ 75/ 0) :: TEN YR PROD= 2250::		:	818.53 1133.87 842.10	:	29.14 43.08 30.05	:	0.0	:
		=						

SUPPLEMENTARY RDX-HMX SITE SELECTION FUUR LINE CAPACITY

IDENTIFICATION ::	SITE	:	CUST		SIGMA	:	RISK(%)
CASE NO11 :: (100/ 50/100) :: TEN YR PROD= 3060::	HAWTHORNE	:	868.03 1189.41 892.59	:	29.60 43.45 30.50	:	0.0
CASE NO. 12 :: (100/ 50/ 75) :: TEN YR PROD= 2790:	NEWPORT HAWTHORNE MC ALESTER	:	849.48 1168.60 873.67	:	29.42 43.31 30.32	:	0.0
CASE NO. 13 :: (100/ 50/ 50) :: TEN YR PROD= 2520:	NEWPORT HAWTHORNE MC ALESTER	:	854.75	:	29.25 43.17 30.15	:	0.0
CASE NO. 14 :: (100/ 50/ 25) :: TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER	:	012.39 1126.99 835.83	:	29.09 43.04 30.00	:	0 • 0 28 • 7
CASE NO. 15 :: (100/ 50/ 0) :: TEM YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER	:	793.84 1106.18 816.91	:	28.94 42.93 29.85	:	0.0
CASE NO. 16 :: (100/ 25/100) :: TEN YR PROD= 2790:	NEWPORT HAWTHORNE MC ALESTER	:	843.34 1161.71 867.41	:	29.36 43.26 30.27	:	0.0
CASE NO. 1/ :: (100/ 25/ 75) :: TEN YR PROD= 2520:	NEWPORT HAWTHORNE MC ALESTER	:	824.79 1140.91 848.49	:	29.20 43.13 30.10	:	0.0
CASE NO. 18 :: (100/ 25/ 50) :: TEN YR PROD= 2250:	NEWPORT HAWTHORNE MC ALESTER	:	806.25 1120.10 829.57	:	29.04 43.00 29.94	:	0.0
CASE NO. 19 :: (100/ 25/ 25) :: TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER	:	/8/./0 1099.29 810.65	:	28.89 42.89 29.80	:	0.0
CASE NO. 20 :: (100/ 25/ 0) :: TEN YR PROD= 1710::	NEWPORT HAWTHORNE MC ALESTER	:	769.15 1078.49 791.73	:	28.75 42.78 29.66	:	0.0

SUPPLEMENTARY RDX-HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /KISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

	4		-						0
	: IDFNTIFICATION ::	SITE	•	COST		SIGMA		RISK(%)	
*	: CASE NO. 21 :: : (100/ 0/100) :: : TEH YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER		818.66 1134.02 842.23	:	29.14 43.09 30.05	:	0.0	:
	: CASE NO. 24 :: : (100/ 0/75) :: : TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER		800.11 1113.21 823.31	:	28.99 42.96 29.90	:	0.0	:
	: CASE NO. 23 :: : (100/ 0/ 50) :: : TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER		781.56 1092.41 804.39	\$ - \$ \$	28.84 42.85 29.75	:	0 • 0 29 • 1	:
	: CASE NO. 24 :: : (100/ 0/ 25) :: : TEN YR PROD= 1710::	NEWPORT HAWTHORNE MC ALESTER		763.01 1071.60 785.47	:	28.71 42.75 29.62	:	0 • 0 29 • 3	:
•	: CASE NO. 25 :: : (100/ 0/ 0) :: TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER		744.46 1050.79 766.55	:	28.59 42.65 29.50	:	0 • 0 29 • 5	:
	: CASE NO. 26 :: : (75/100/100) :: : TEN YR PROD= 3240::	NEWPORT HAWTHORNE MC ALESTER		671.33 1193.11 895.96	:	29.64 43.48 30.54	:	0 • 0 28 • 1	:
	: CASE NO. 27 :: : (75/100/ 75) :: : TEN YR PROD= 2970::		:	052.78 1172.30 877.04	:	29.45 43.33 30.36	:	***** 0.0 28.3	:
	: CASE NO. 20 :: : (75/100/50) :: : TEN YR PROD= 2700::		:	334.23 1151.49 858.12	:	29.28 43.19 30.18		0.0 28.5	:
	: CASE NO. 27 :: : (75/100/25) :: : TEN YR PROD= 2430::	NEWPORT HAWTHORNE MC ALESTER	:	615.69 1130.69 839.20	:	29.12 43.07 30.02	:	0 · 0 28 · 7	:
*	: CASE NO. 30 :: : (75/100/ 0) :: : TEN YR PROD= 2160::	NEWPORT HAWTHORNE MC ALESTER	3	797.14 1109.88 820.28	:	20.90 42.95 29.87	:	0.0	:

SUPPLEMENTARY RDX-HMX SITE SELECTION FOUR LINE CAPACITY COSI /SENSITIVITY /RISK INCREASE IN NEWPORT AAP COSTS CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0% (COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION	:: SITE	1	COST	8	SIGMA		RISK(%)	
CASE NO. 31 (75/75/100) TEM YR PROD= 2970	: : HAWTHORNE	:	846.64 1165.41 870.78	:	29.39 43.28 30.30	:	0.0	
	:: NEWPORT :: HAWTHORNE :: MC ALESTER	:	828.09 1144.61 851.86	:	29.22 43.15 30.13	:	0 · 0 28 · 6	
	NEWPORT HAWTHORNE MC ALESTER	-1		:	29.07 43.02 29.97	:	***** 0 • 0 28 • 8	
	NEWPORT HAWTHORNE MC ALESTER	:	791.00 1102.99 814.02	:	2d.92 42.91 29.82	:	**** 0.0 29.0	
	:: NEWPORT :: HAWTHORNE :: MC ALESTER	:	772.45 1082.19 795.10	:	28.78 42.80 29.69	:	0 • 0 29 • 2	
	NEWPORT HAWTHORNE MC ALESTER	:	821.96 1137.72 845.59	:	29.1/ 43.11 30.08	:	0 • 0 28 • 6	-
CASE NO. 37 (75/ 50/ 75) TEM YR PROD= 2430	: HAWTHORNE	:	803.41 1116.91 826.67	:	29.01 42.99 29.92	:	0.0	
	:: NEWPORT :: HAWTHORNE :: MC ALESTER	:	784.86 1096.11 807.75	:	28.87 42.87 29.78	:	0 • 0 29 • 0	
	1 HAWTHORNE	:	766.31 1075.30 788.83	:	28.73 42.77 29.65	:	0 • 0 29 • 3	-
	:: NEWPORT :: HAWTHORNE :: MC ALESTER	:	747.76 1054.49 769.91	:	28.61 42.67 29.52	:	0 • 0 29 • 5	

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SUPPLEMENTARY ROX-HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /RISK INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0% (COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION :	SITE	:	COST	-	SIGMA		RISK(%)	
CASE NO. 41 :	NEWPORT	:	797.27		28.97		****	0 0
(75/ 25/100)	HAWTHORNE	:		3	42.95		0.0	
TEN YR PROD= 2430:	MC ALESTER	2	820.41		29.87		28.9	
CASE NO. 42	NEWPORT	:	178.72	:	28.82	. :	****	
(75/ 25/ 75)		1	1089.22		42.84		0.0	
TEM YR PROD= 2160:		:	801.49		29.73	:	29.1	
CASE NO. 43	NEWPORT	:	760.17	:	28.69	:	****	
(75/ 25/ 50) :			1068.41	1	42.73	:	0.0	
TEN YR PROD= 1890:			782.57	1	29.60	:	29.3	
CASE NO. 44 :	NEWPORT	:	741.62	:	28.51	:	****	
(75/ 25/ 25) :	HAWTHORNE	2	1047.61		42.64		0.0	
TEN YR PROD= 1620:	MC ALESTER	;	763.65	:	29.48		29.6	
CASE NO. 45 :	NEWPORT	:	723.07	:	28.46	:	****	_
(75/ 25/ 0) :	HAWTHORNE	:	1026.80		42.56	2	0.0	
TEN YR PROD= 1350:	MC ALESTER	:	744.73	1	29.38	1	29.8	
CASE NO. 46 :	NEWPORT	:	772.58		28.78	;	****	
(75/ 0/100) :	HAWTHORNE	0	1082.33	1	42.80	*	0.0	
TEN YR PROD= 2160:	MC ALESTER	\$	795.23	1	29.69	1	29.2	
CASE NO. 4/ :	NEWPORT	:	/54.03	;	28.05	:	****	-
(75/ 0/ 75) :	HAWTHORNE		1061.53	:	42.70	•	0.0	
TEM YR PROD= 1890:	MC ALESTER	:	776.31	1	29.56	:	29.4	_
CASE NO. 48 :	NEWPORT	:	735.48		28.54	1	****	
(75/ 0/50) :		\$	1040.72	:	42.61	:	0.0	
TEM YR PROD= 1620:	MC ALESTER	:	75/.39	:	29.45		29.7	-
CASE NO. 49 I	NEWPORT		/16.94	,	25.43	1	****	
(75/ 0/ 25) :		:	1019.91	8	42.53	1	0.0	
TEN YR PROD= 1350;	MC ALESTER	:	738.47	:	29.34	:	29.9	_
CASE NO. 50 :	E	:	698.39	:	28.34	:	****	
(75/ 0/ 0) :		\$	999.11	\$	42.46	1	0.0	
TEN YR PROD= 1080:	MC ALESTER	2	719.55		29.25	\$	30.2	

SUPPLEMENTARY RDX-HMX SITE SELECTION FUUR LINE CAPACITY COST /SENSITIVITY /RISK

IDENTIFICATION :	SITE	:	COST		SIGMA	:	RISK(%)
CASE NO. 51 :: (50/100/100) :: TEM YR PROD= 2880::		:	825.26 1141.42 848.96	:	29.20 43.13 30.10	:	0.0
CASE NO. 52 :: (50/100/75) :: TEN YR PROD= 2610::	NEWPORT HAWTHORNE MC ALESTER	:	806.71 1120.62 830.04	:	29.04 43.01 29.95	:	0 • 0 28 • 8
CASE NO. 53 :: (50/100/50) :: TEN YR PROD= 2340::	NEWPORT HAWTHORNE MC ALESTER	:	788.16 1099.81 811.12	:	28.89 42.89 29.80	:	0.0
CASE NO. 54 :: (50/100/25) :: TEN YR PROD= 2070::	NEWPORT HAWTHORNE MC ALESTER	:	769.61 1079.00 792.20	:	. 28.76 42.78 29.67	:	0 · 0 29 • 2
CASE NO. 55 :: (50/100/ 0) :: TEN YR PROD= 1800::	NEWPORT HAWTHORNL MC ALESTER	:	751.06 1058.20 773.28	:	28.63 42.69 29.54	:	0 • 0 29 • 5
CASE NO. 50 :: (50/ 75/100) :: TEN YR PROD= 2610::	NEWPORT HAWTHORNE MC ALESTER	:	000.57 1113.73 823.78	:	28.99 42.97 29.90	:	0 • 0 28 • 9
CASE NO. 57 :: (50/75/75) :: TEN YR PROD= 2340::	NEWPORT HAWTHORNE MC ALESTER	:	782.02 1092.92 804.86	:	28.85 42.85 29.76	:	0.0 29.1
CASE NO. 58 :: (50/75/50) :: TEM YR PROD= 2070::	NEWPORT HAWTHORNE MC ALESTER	:	763.47 1072.12 785.94	:	28.71 42.75 29.63	:	0.0
CASE NO. 59 :: (50/75/25) :: TEM YR PROD= 1800::	NEWPORT HAWTHORNE MC ALESTER	:	/44.92 1051.31 767.02	:	28.59 42.66 29.51	:	0.0 29.5
CASE NO. 60 :: (50/75/0) :: TEN YR PROD= 1530:	NEWPORT HAWTHORNE MC ALESTER	:	726.38 1030.50 748.10	:	28.48 42.57 29.40	:	0 • 0 29 • 8

SUPPLEMENTARY ROX-HMX SITE SELECTION FOUR LINE CAPACITY COSI /SENSITIVITY /RISK

IDENTIFICATION ::	SITE	:	cust	:	SIGMA	:	RISK(%)
	NEWPORT HAWTHORNE MC ALESTER		775.88 1086.03 798.60	:	28.80 42.82 29.71	:	0.0
CASE NO. 62 :: (50/ 50/ 75) :: TEN YR PROD= 2070::		:	75/.33 1065.23 779.67	:	28.07 42.72 29.58	:	0 • 0 29 • 4
CASE NO. 63 :: (50/50/50) :: TEN YR PROD= 1800::	NEWPORT HAWTHORNE MC ALESTER	:	738.78 1044.42 760.75	:	28.56 42.63 29.47	:	0.0 29.6
CASE NO. 64 :: (50/ 50/ 25) :: TEN YR PROD= 1530::	NEWPORT HAWTHORNE MC ALESTER	:	720.24 1023.61 741.83	:	28.45 42.54 29.36	:	0.0
CASE NO. 65 :: (50/ 50/ 0) :: TEN YR PROD= 1260::	NEWPORT HAWTHORNE MC ALESTER	:	701.69 1002.81 722.91	:	28.35 42.47 29.27	:	0.0
CASE NO. 60 : 5 : (50/ 25/100) : 5 : TEN YR PRODE 2070:	NEWPORT HAWTHORNE MC ALESTER	:	/51.19 1058.34 773.41	:	28.53 42.69 29.54	:	0 • 0 29 • 5
CASE NO. 67 :: (50/ 25/ 75) :: TEN YR PROD= 1800::		:	732.64 1037.53 754.49	:	28.52 42.60 29.43	:	**** 0 • 0 29 • 7
CASE NO. 68 :: (50/ 25/ 50) :: TEN YR PROD= 1530::	NEWPORT HAWTHORNE MC ALESTER	1	714.10 1016.73 735.57	:	28.42 42.52 29.33	:	0.0
CASE NO. 69 :: (50/25/25) :: TEN YR PROD= 1260::	NEWPORT HAWTHORNE MC ALESTER	1	695.55 995.92 716.65	:	28.32 42.45 29.24	:	0.0
CASE NO. 70 :: (50/25/0) :: TEN YR PROD= 990::		:	677.00 975.11 697.73	:	28.24 42.38 29.16	:	0 • 0 30 • 5

SUPPLEMENTARY RDX-HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /RISK INCREASE IN NEWPORT AAP COSTS CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0% (COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION	: 1	SITE	1	COST		SIGMA		RISK(%)	
CASE NO. 71	;;	NEWPORT	• • •	726.50	• • • • •	28.48		00000	• • •
(50/ 0/100)	2.2					42.57		0.0	
TEN YR PROD= 1		MC ALESTER		748.23	1	29.40		29.8	
	: :	NEWPORT		707.96		28.38	:	***	
	::		*	1009.84	3	42.49	2	0 - 0	
TEN YR PRODE 1	530::	MC ALESTER	•	729.31	:	29.30	:	30.0	
CASE NO. 73	::	NEWPORT	:	689.41	:	28.30	1	****	
(50/ 0/ 50)				989.03	:	42.42	1	0.0	
TEN YR PROD= 1	260::	MC ALESTER		710.39	\$	29.21	:	30.3	
CASE NO. 74	: :	NEWPORT	3	670.86	1 00	28.22		****	
(50/ 0/ 25) TEN YR PROD=	::	MC ALESTER	*	968.23	8	42.37		0.0	
TEN IN PROUE	990:1	MC ALESTER		691.47	:	29.14		30.6	
CASE NO. 75	: :	NEWPORT	1	652.31	1	28.15		****	
(50/ 0/ 0)	: :	HAW,THORNE		947.42	:	42.32		0.0	
TEN YR PROD=	720::	MC ALESTER	3	672.55	\$	29.07	:	30.9	
CASE NO. 70	: ;	NEWPORT	:	779.18		26.03	:	00000	
(25/100/100)	: 1	HAWTHORNE	-	1089.74		42.84	-	0.0	
TEN YR PROD= 25		MC ALESTER		801.96	1	29.74	:	29.1	
CASE NO. 71	: 3	NEWPORT	:	760.63	2	28.70	1	***	
(25/100/ 75)	::		1	1068.93		42.74	2	0.0	
TEN YR PROD= 2	250::	MC ALESTER		783.04	;	29.61	:	29.3	
CASE NO. 78	: :	NEWPORT	3	742.08	:	28.58	:	****	
(25/100/ 50)	: :	HAWTHORNE	:	1048.12	:	42.64	2	0.0	
TEN YR PRUD= 19	980::	MC ALESTER	\$	764.12		29.49	8	29.6	
CASE NO. 79	::	NEWPORT	:	723.54	1	28.47		*****	
(25/100/ 25)		HAWTHORNE	:	1027.32	1	42.56		0 • 0	
TEN YR PROD= 1		MC ALESTER		745.20	:	29.38	1	29.8	
	: :	NEWPORT	:	704.99		28.37		***	
(25/100/ 0)	: :		1	1006.51	•	42.48	:	0 • 0	
TEN YR PROD= 14	440::	MC ALESTER	3	726.28	2	29.28	\$	30.1	

SUPPLEMENTARY ROX-HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /RISK

:	IDENTIFICATION :	SITE	:	COST	:	SIGMA	:	RISK(%)	:
. :	CASE NO. 81 :: (25/ 75/100) :: TEN YR PROD= 2250::	NEWPORT HAWTHORNE	:	754.49 1062.04 776.78	:	28.65 42.70 29.57	:	0.0	:
:	CASE NO. 82 :: (25/ 75/ 75) :: TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER	8	735.94 1041.24 757.86	\$ \$	28.54 42.61 29.45	:	0 • 0 29 • 7	:
:	CASE NO. 83 :: (25/ 75/ 50) :: TEN YR PROD= 1710::		:	717.40 1020.43 738.94	:	28.43 42.53 29.35	:	0 · 0 29 · 9	:
* * *	CASE NO. 84 :: (25/ 75/ 25) :: TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER	:	698.85 999.62 720.02	:	28.34 42.46 29.25	:	0.0	:
	CASE NO. 85 :: (25/ 75/ 0) :: TEN YR PROD= 1170:		:	680.30 978.82 701.10	:	28.26 42.39 29.17	:	0.0	:
	CASE NO. 86 :: (25/ 50/100) :: TEN YR PROD= 1980::			729.80 1034.35 751.60	:	28.50 42.58 29.42	:	0.0 29.7	:
	CASE NO. 87 :: (25/ 50/ 75) TEM YR PROD= 1710:		:	711.26 1013.54 732.68	:	28.40 42.51 29.32	:	0.0	:
	CASE NO. 88 :: (25/ 50/ 50) :: TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER	:	692.71 992.74 713.75	:	28.31 42.44 29.23	:	0.0	: - #
	CASE NO. 89 :: (25/ 50/ 25) :: TEN YR PROD= 1170::	NEWPORT HAWTHORNE MC ALESTER	:	674.16 971.93 694.83	: :	28.23 42.38 29.15	:	0.0	:
ŀ	CASE NO. 90 :: (25/ 50/ 0) :: TEN YR PROD= 900::	HAWTHORNE	:	655.61 951.12 675.91	:	28.17 42.32 29.08	:	0.0	:

SUPPLEMENTARY RDX-HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /KISK INCREASE IN NEWPORT AAP COSTS CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0% (COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION	N 83	SITE	2	COST		SIGMA	į	RISK(%)	
CASE NO. 91		NEWPORT		705.12		28.37		*****	
(25/ 25/100)			2		2	42.48	1	0.0	
TEN YR PRODE		MC ALESTER		726.41	1	29.28		30.1	
CASE NO. 92	. ::	NEWPORT	:	686.57	:	28.28	:	****	
(25/ 25/ 75)	2 2	HAWTHORNE	2	985.85	2	42.42	1	0.0	
TEN YR PROD=	1440::	MC ALESTER	:	707.49	1	29.20	:	30.3	
CASE NO. 93	1 :	NEWPORT	:	668.02	:	28.21	1	****	
(25/ 25/ 50)	: 1	HAWTHORNE	2	965.04	2	42.36		0.0	
TEN YR PRODE	1170::	MC ALESTER	1	688.57	1	29.13	1	30.6	
CASE NO. 94	: 1	NEWPORT	:	644.47	:	20.15	:	****	
(25/ 25/ 25)	2 2	HAWTHORNE	2	944.24	2	42.31	1	0.0	
TEN YR PROD=	900:1	MC ALESTER	2.	669.65	1	29.06	1	30.9	
CASE NO. 95	: 2	NEWPORT	:	630.92	1	28.09		****	
(25/ 25/ 0)	: :	HAWTHORNE	\$	923.43		42.27	2	0.0	
TEN YR PROD=	630::	MC ALESTER	:	650.73	1	29.01	1	31.2	
CASE NO. 96		NEWPORT	:	680.43	:	28.26	:	****	
(25/ 0/100)		HAWTHORNE	:	978.96		42.40	2	0.0	
TEN YR PRODE	1440::	MC ALESTER	:	701.23	1	29.17	:	30.4	
CASE NO. 97	: 1	NEWPORT	1	661.88	1	28.19	1	****	
(25/ 0/ 75)	: :	HAWTHORNE	:	958.16	2	42.34	2	0.0	
TEV YR PRODE	1170::	MC ALESTER	8	682.31	:	29.10	1	30.7	
CASE NO. 98		NEWPORT	:	643.33	:	28.13	:	****	
(25/ 0/ 50)		HAWTHORNE	2	937.35		42.29	:	0.0	
TEN YR PROD=	900::	MC ALESTER		663.39		29.05	:	31.0	_
CASE NO. 99	: 1	NEWPORT	1	624.78	:	28.08	1	****	
(25/ 0/ 25)	: 1	HAWTHORNE	8	916.54	1	42.26	8	0.0	
TEN YR PROD=	630:1	MC ALESTER	:	644.47	1	29.00	:	31.3	
CASE NO. 100	: :	NEWPORT	1	606.24	1	28.04	:	****	_
(25/ 0/ 0)	2 2	HAWTHORNE	8	895.74	3	42.23	1	0.0	
TEN YR PROD=	360:1	MC ALESTER	2	625.55	:	28.96	\$	31.6	

SUPPLEMENTARY RDX-HMX SITE SELECTION FOUR LINE CAPACITY

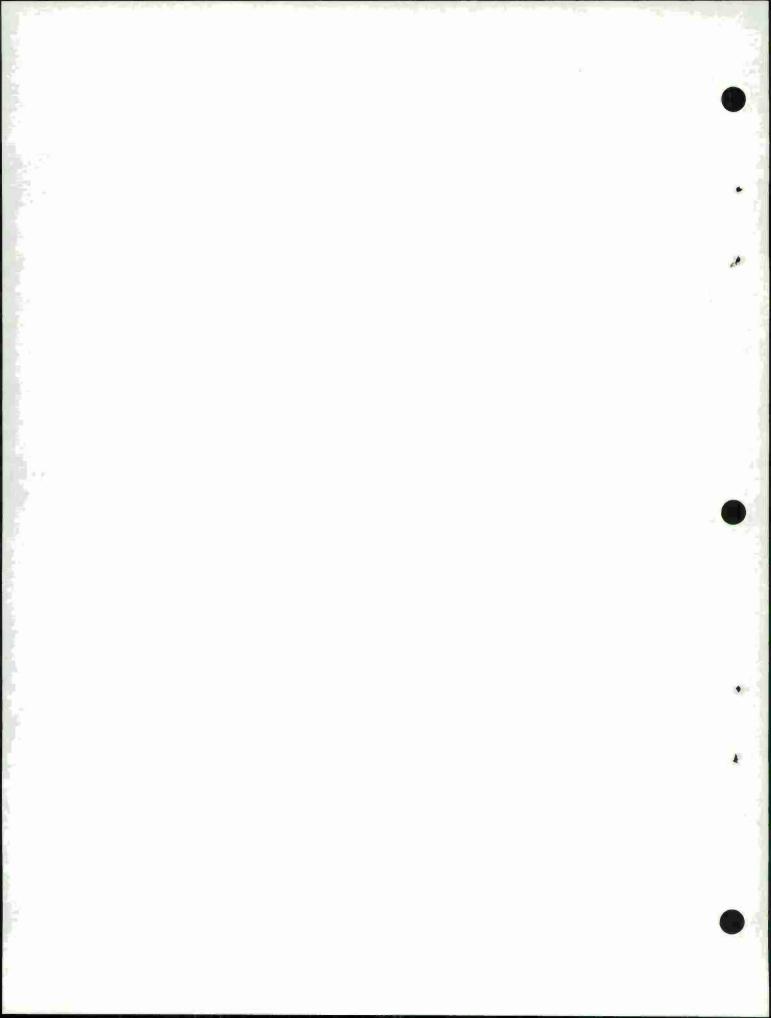
	}								
	: IDENTIFICATION ::	SITE	1	COST	1	SIGMA	2	RISK(%)	
	: CASE NO. 101 ::	NEWPORT	• • •	733.10		28.52		******	• • •
	: (0/100/100)	HAWTHORNE		1038.05		42.60	2		1
	: TEN YR PROD= 2160::	MC ALESTER		754.96	2			0.0	1
	TEN IN PRODE 210011	MC ALESIER		737.70		29.43		29.7	
	: CASE NO. 102 11	NEWPORT	2	714.56		28.42	4	****	1
	(0/100/ 75) ::	HAWTHORNE	8	1017.24	1	42.52	1	0.0	-
	TEN YR PROD= 1890::	MC ALESTER	1	736.04		29.33	:	29.9	-
	: CASE NO. 103 ::	NEWPORT	1	696,01	1	28.33		*****	#
	: (0/100/ 50) ::			996.44		42.45		0.0	
	: TEN YR PROD= 1620::	MC ALESTER	-	717.12	1	29.24		30.2	
				111112		C7 • C4		30.2	
	: CASE NO. 104 ::	NEWPORT .	2	677.46	•	28.25	:	****	:
	: (0/100/ 25) ::	HAWTHORNE	8	975.63	1	42.39	1	0.0	2
	: TEN YR PROD= 1350::	MC ALESTER	1	698.20	1	29.16		30.5	8
	: CASE NO. 105 ::	NEWPORT	:	658.91	1	20.18	:	****	
١	(0/100/ 0)		2	954.83	1	42.33	7	0.0	
	: TEN YR PROD= 1080::	MC ALESTER	-	679.28	2	29.09	,	30.8	
				017420		27.07		30.0	
	1 CASE NO. 100 1:	NEWPORT	2	108.42	0	28.39	*	****	:
	: (0/ 75/100) ::	HAWTHORNE	. 1	1010.36	2	42.49	1	0.0	2
	: TEN YR PROD= 1890::	MC ALESTER	1	729.78	1	29.30	1	30.0	1
	: CASE NO. 10/ ::	NEWPORT	:	689.87	1	28.30	:	****	4
	: (0/ 75/ 75) 11	HAWTHORNE	1	989.55	1	42.43	2	0.0	
	: TEN YR PROD= 1620::	MC ALESTER	-	710.86	1	29.21		30.3	
				120,00		67061		30 • 3	
	: CASE NO. 108 ::	NEWPORT	1	671.32	1	28.22		****	:
	: (0/ 75/ 50) ::	HAWTHORNE		968.74	1	42.37	1	0.0	2
	: TEN YR PROD= 1350::	MC ALESTER	1	691.94	2	29.14	1	30.6	1
	: CASE NO. 107 ::	NEWPORT	1	652.77		28.16		****	
	(0/ 75/ 25) ::	HAWTHORNE		947.94		42.32	-		
	TEN YR PRODE 1080:	MC ALESTER		673.02	1	29.07		0.0	
)	ALESTER		013.02		29.01		30 • 8	1
	CASE NO. 110 ::	NEWPORT	8	634.22	:	20.10	:	****	1
	(0/ 75/ 0) :1	HAWTHORNE		927.13	8	42.28	:	0.0	1
	TEN YR PROD= 810::	MC ALESTER	1	654.10	2	29.02	2	31.1	2
)							~	-#

SUPPLEMENTARY RDX-HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /KISK INCREASE IN NEWPORT AAP COSTS CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0% (COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

	(QUANITITES	IN MILLIONS	OF FR2"	
IDENTIFICATION :		COST	SIGMA	: RISK(%)
CASE NO. 111 : (0/ 50/100) : TEN YR PROD= 1620:	NEWPOR! :	683.73 ! 982.66 ! 704.60 !	28.27 42.41 29.19	0.0
CASE NO. 112 : (0/50/75) : TEN YR PROD= 1350:	HAWTHORNE :	665.18 1 961.86 1 685.68 1	28.20 42.35 29.12	0 · 0 30 · 7
CASE NO. 113 : (0/50/50) : TEN YR PROD= 1080:	HAWTHORNE 1	646.63 : 941.05 : 666.75 :	28.14 42.30 29.05	: 0.0 : 30.9
CASE NO. 114 : (0/ 50/ 25) : (TEN YR PROD= 810:	HAWTHORNE I	628.09 920.24 647.83	20.09 42.26 29.01	0.0
CASE NO. 115 :: (0/ 50/ 0) :: TEN YR PRODE 540:	HAWTHORNE :	609.54 : 899.44 : 628.91 :	28.05 42.24 28.97	: 0.0 : 31.5
CASE NO. 116 : (0/ 25/100) : (EN YR PROD= 1350:	HAWTHORNE :	659.04 954.97 679.41	20.18 42.33 29.09	0.0
CASE NO. 117 :: (0/ 25/ 75) (EN YR PROD= 1080:	HAWTHORNE 1	640.49 : 934.16 : 660.49 :	28.12 42.29 29.04	0.0
CASE NO. 118 :: (0/ 25/ 50) (EM YR PROD= 810:	HAWTHORNE 1	621.95 : 913.36 : 641.57 :	28.07 42.25 28.99	0.0
CASE NO. 114 :: (0/ 25/ 25) :: (EN YR PROD= 540:	HAWTHORNE :	603.40 ! 892.55 : 622.65 !	20.04 42.23 28.96	: **** : 0.0 : 31.6
CASE NO. 120 :: (0/ 25/ 0) :: TEN YR PROD= 270::	HAWTHORNE :	584.05 : 871.74 : 603.73 :	20.02 42.21 28.94	: **** : 0.0 : 32.0

SUPPLEMENTARY RDX-HMX SITE SELECTION FOUR LINE CAPACITY

10										1
2	IDENTIFICATIO	N : 1	SITE	1	COST	2	SIGMA		RISK(%)	:
	CARE NO. 121		NEWPORI		424 25		20.10		*****	
ě	CACE NO. 121	*			634.35	*	28.10			8
ě	(0/ 0/100) TEN YR PROD=	1.000.1	HAWTHORNE		927.28	4	42.28		0.0	
1	TEN TH PRODE	100011	MC ALESTER		654.23		29.02		31.1	4
0 0	CASE NO. 122	::	NEWPORT	1	615.81	:	20.06	:	****	\$
0	(0/ 0/ 75)	1.1	HAWTHORNE	8	906.47	1	42.24	ī	0.0	
0 6	TEN YR PROD=	810::	MC ALESTER	1	635.31	1	28.98	1	31.4	1
	CASE NO. 123	;:	NEWPORT	:	597.26	1	28.03	:	****	
0.0	(0/ 0/ 50)	: 1	HAWTHORNE	:	885.66	1	42.22	:	0.0	2
0.00	TEN YR PROD=	540::	MC ALESTER	:	616.39	1	28.95	1	31.7	:
0.0	CASE NO. 124	::	NEWPORT	:	578.71	:	28.01	:	00000	*
0	(0/ 0/ 25)			:	864.86	1	42.21	:	0.0	:
8	TEN YR PROD=	270::	MC ALESTER	1	597.47	1	28.93	1	32.1	1
0 0	CASE NO. 125	;;	NEWPORT	:	560.16	1	28.01	1	****	*
	(0/ 0/ 01	1	HANTHORNE	311	844.05		42.20	1	0.0	
ò	TEN YR PROD=	0::	MC ALESTER	1	578.55	1	28.93	1	32.4	:



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	: IDENTIFICATION ::	SITE :	COST	s SIG	MA :	RISK(%)	3
	: CASE NO. 1 :: : (100/100/100) :: : TEN YR PROD= 1800::	NEWPORT : HAWTHORNE : MC ALESTER :	548.59 757.21 563.88	: 19 : 28 : 19	48 :	0.0	:
	: CASE NO. 2 :: : (100/100/ 75) :: : TEN YR PROD= 1665::	NEWPORT : HAWTHORNE : MC ALESTER :	539.31 746.81 554.42	: 19. : 29. : 19.	42 1	**** 0 • 0 29 • 2	:
	: CASE NO. 3 :: : (100/100/ 50) :: : TEN YR PROD= 1530::	NEWPORT : HAWTHORNE : MC ALESTER :	530.04 736.40 544.96	: 19. : 28: : 19.	36 !	0 • 0 29 • 4	:
	: CASE NO. 4 :: : (100/100/ 25) :: : TEN YR PROD= 1395::	NEWPORT : HAWTHORNE : MC ALESTER :	520.77 726.00 535.50	: 19. : 28. : 19.	30 1	0 • 0 29 • 5	:
	: CASE NO. 5 :: : (100/100/ 0) :: : TEN YR PROD= 1260::	NEWPORT : HAWTHORNE : MC ALESTER :	511.49 715.60 526.04	: 19. : 28. : 19.	25	0.0 29.7	:
	: CASE NO. 6 :: : (100/ 75/100) :: : TEN YR PROD= 1665::	NEWPORT : HAWTHORNE : MC ALESTER :	536.24 743.36 551.29	: i9. : 28. : 19.	40 :	0 • 0 29 • 3	:
	: CASE NO. 7 :: (100/ 75/ 75) :: TEN YR PROD= 1530::	NEWPORT : HAWTHORNE : MC ALESTER :	526.97 732.96 541.83	; 19. ; 28. ; 19.	34 1	0.0 29.4	:
	: CASE NO. 8 :: : (100/ 75/ 50) :: : TEN YR PROD= 1395::	NEWPORT : HAWTHORNE : MC ALESTER :	517.70 722.56 532.37	1 19. 1 28. 1 19.	28 1	0.0 29.6	:
	: CASE NO. 9 :: : (100/ 75/ 25/ :: : TEN YR PROD= 1260::	NEWPORT : HAWTHORNE : MC ALESTER :	508.42 712.16 522.91	: 19. : 28. : 19.	23 !	0 • 0 29 • 8	:
	: CASE NO. 10 :: : (100/ 75/ 0) :: : TEN YR PROD= 1125::	NEWPORT : HAWTHORNE : MC ALESTER :	497.15 701.76 513.45	. 18. : 28, : 19.	18 :	0 · 0 - 29 · 9	:

RDX - HMX SITE SELECTION
TWO LINE CAPACITY
COS! /SENSITIVITY /HISK
INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST. IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

IDE	NTIF	ICAT	NOI	1 1	SITE	3	COST	٠	SIGMA		RISK(%)
(10	E NO 0/5 YR	0/10		::	NEWPOR! HAWTHORNE MC ALESTER	:	523.90 729.52 538.70	:	19.11 28.32 19.69	3	0.0
(10	E NO 0/5 YR	0/ 7	12 5) = 139	5:1	NEWPORT HAWTHORNE MC ALESTER	:	514.63 719.12 529.24	:	19.04 28.26 19.62	:	0.0 29.7
(10	0/5	0/5	13 0) = 126	8 :	NEWPORT HAWTHORNE MC ALESTER	:	505.36 708.71 519.78	:	10.97 28.21 19.55	1	0.0
(10	E NO 0/5 YR	0/2	14 5) = 112	1 1 1 î 5 : 1	NEWPORT HAWTHORNE MC ALESTER	:	496.08 698.31 510.32	:	18.91 28.16 19.49	; ;	0.0
110	E NO 0/5 YR	0/	_	11	NEWPORT HAWTHORNE MC ALESTER	:	486.81 687.91 500.86	:	18.85 28.12 19.44	:	0.0 30.2
(10	E NO 0/2 YR	5/10	16 0) = 139	11	NEWPORT HAWTHORNE MC ALESTER	:	511.56 715.67 526.11	:	19.02 28.25 19.60	:	**** 0 · 0 29 · 7
(10		5/ 7	1 / 5) = 126		NEWPORT HAWTHORNE MC ALESTER	:	502.29 705.27 516.65	:	10.95 28.20 19.53	:	0 · 0 29 · 9
(10	E NO 0/2 YR	5/ 5	18 0) = 112	5:1	NEWPORT HAWTHORNE MC ALESTER	:	493.01 694.87 507.19	:	18.89 28.15 19.47	:	0 • 0 30 • 1
(10	E NO 0/ 2 YR	5/2	19 5) = 99	0::	NEWPORT HAWTHORNE MC ALESTER	:	483.14 684.47 497.73	:	18.84 28.10 19.42	1	0 • 0 30 • 3
(10	E NO 0/2 YR	5/	20 0 j = 85	5::	NEWPORT HAWTHORNE MC ALESTER	:	474.47 674.06 488.27	:	18.78 28.06 19.37	i	0.0

RDX - HMX SITE SELECTION TWO LINE CAPACITY COST /SENSITIVITY /KISK

	#					- 0
	: IDENTIFICATION ::	SITE	COST	SIGMA	: RISK(%)	:
4	: CASE NO. 21 :: : (100/ 0/100) :: : TEN YR PROD= 1260::	NEWPORT HAWTHORNE MC ALESTER		: 18.93 : 28.18 : 19.51	0 · 0 29 · 9	:
	: CASE NO. 22 :: : (100/ 0/ 75) :: : TEN YR PROD= 1125::		489,94 691,43 504.06	: 18.87 : 28.13 : 19.45	0 · 0 3 30 · 1	: :
	: CASE NO. 23 :: : (100/ 0/ 50) :: : TEN YR PROD= 990::	NEWPORT HAWTHORNE MC ALESTER	480.67 681.02 494.60	18.82 28.09 1 19.40	0 · 0 30 · 3	:
	: CASE NO. 24 :: : (100/ 0/ 25) :: : TEN YR PROD= 855::	NEWPORT HAWTHORNE MC ALESTER	1 471.40 1 670.62 1 485.14	18.77 28.05 19.35	0.0	:
0	: CASE NO. 25 :: : (100/ 0/ 0) :: : TEN YR PROD= 720::	NEWPORT HAWTHORNE MC ALESTER		1 15.72 1 28.01 1 19.30	0 · 0 3 · 30 · 7	:
	: CASE NO. 26 :: : (75/100/100) :: : TEN YR PROD= 1620::			: 19.12 : 28.33 : 19.70	0.0	:
			516.28 720.97 530.92	: 19.05 : 28.27 : 19.63	0.0	:
,	: CASE NO. 28 :: : (75/100/50) :: : TEN YR PROD= 1350::		507.01 710.56 521.46	: 18.99 : 28.22 : 19.57	0.0 29.8	1
	: CASE NO. 27 :: : (75/100/25) :: : TEN YR PROD= 1215::	NEWPORT HAWTHORNE MC ALESTER	497./3 700.16 512.01	: 18.92 : 28.17 : 19.50	3 0 · 0	:
· ·	: CASE NO. 30 :: : (75/100/ 0) :: : TEN YR PROD= 1080::		488.46 689.76 502.55	1 18.86 28.13 19.45	0 · 0 30 · 2	:

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1 IDENTIFICATION 1	SITE	1	COST		SIGMA	1	RISK(%)	•
: CASE NO. 31 :: : (75/ 75/100) :: : TEN YR PROD= 1485::	NEWPOR! HAWTHORNE MC ALESTER		513.21 717.52 527.79	:	19.03 28.26 19.61	:	0.0	:
: CASE NO. 32 :: : (75/75/75) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	1	503.94 707.12 518.33	:	18.96 28.20 19.54	1 1 1	0 • 0 29 • 9	:
: CASE NO. 33 :: : (75/75/50) :: : TEN YR PROD= 1215::	NEWPORT HAWTHORNE MC ALESTER	:	494.66 696.72 508.87	:	18.90 28.16 19.48	1	0.0	:
: CASE NO. 34 :: : (75/75/25) :: : TEN YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER	:	485.39 686.32 499.42	:	18.85 28.11 19.43	1 1	0.0	:
: CASE NO. 35 :: : (75/75/0) :: : TEN YR PROD= 945:		1	476.12 675.92 489.96	:	18.79 28.07 19.37	1	0 • 0 3 0 • 4	
: CASE NO. 36 :: : (75/50/100/ :: : TEN YR PROD= 1350::		:	500.87 703.68 515.20	t :	18.94 28.19 19.52	: :	0.0 29.9	:
: CASE NO. 37 :: : (75/50/75) :: : TEN YR PROD= 1215::		:	491.59 693.28 505.74	:	18.88 28.14 19.46		0.0 30.1	:
: CASE NO. 38 :: : (75/50/50) :: : TEN YR PROD= 1080::		1	482.32 682.87 496.28	:	18.83 28.10 19.41	:	0.0	:
: CASE NO. 39 :: : (75/50/25) :: : TEN YR PROD= 945:	NEWPORT HAWTHORNE MC ALESTER		473.05 672.47 486.83	:	18.78 28.06 19.36	:	0 · 0 30 · 5	
: CASE NO. 40 :: : (75/50/0) :: : TEN YR PROD= 810::	NEWPORT HAWTHORNE MC ALESTER	1	463.18 662.07 477.37	; ;	18.73 28.02 19.31	:	0.0 30.7	
E S S								

N	IDENTIFICATION	SITE	:	COST		SIGMA	:	RISK(%)	1
	CASE NO. 41 (75/ 25/100) TEN YR PROD= 121		:	488.52 689.83 502.61	:	18.86 28.13 19.45	:	0 · 0 30 · 2	:
	CASE NO. 42 (75/ 25/ 75) TEN YR PROD= 108	NEWPORT HAWTHORNE HAWTHORNE HC ALESTER	:	479.25 679.43 493.15	*	18.01 26.08 19.39	:	0.0	:
	CASE NO. 43 (75/ 25/ 50) TEN YR PROD= 94	NEWPORT HAWTHORNE MC ALESTÉR	:	469.98 669.03 483.69	:	18,76 28.04 19.34	:	0.0 30.5	:
	CASE NO. 44 (75/ 25/ 25) TEN YR PROD= 81		! :	460./1 658.63 474.24	:	18./1 28.01 19.30	1	0 • 0 30 • 7	:
	CASE NO. 45 (75/25/0) TEN YR PROD= 67	:: NEWPORT :: HAWTHORNE 5:: MC ALESTER	I I I	451.43 648.23 464.78	:	18.67 27.98 19.26	1	0.0	:
	CASE NO. 46 (75/ 0/100) TEN YR PROD= 108		:	476.18 675.99 490.02	1 1	16.79 28.07 19.37	:	0.0	:
	CASE NO. 4/ (75/ 0/ 75) TEN YR PROD= 94	NEWPORT HAWTHORNE HC ALESTER	:	466.91 665.59 480.56	1	18.74 28.03 19.33		0.0 30.6	:
	CASE NO. 48 (75/ 0/50) TEN YR PROD= 81	NEWPORT HAWTHORNE OIL MC ALESTER	1	457.64 655.18 471.10	*	18.70 28.00 19.28	3 8	0.0 30.8	1 1
1	CASE NO. 49 (75/ 0/ 25) TEN YR PROD= 67	NEWPORT HAWTHORNE HC ALESTER	:	448.36 644.78 461.65	:	18.66 27.97 19.24	1	0 • 0 31 • 0	:
	CASE NO. 50 (75/ 0/ 0) TEN YR PROD= 54	NEWPORT HAWTHORNE HC ALESTER	:	439.09 634.38 452.19	:	18.62 27.94 19.21	:	0.0 31.2	:

IDENTIFICATION 1	SITE		COST		SIGMA	3	RISK(%)
CASE NO. 51	NEWPORI	1	502.52	1	18.95		****
(50/100/100) ::	HAWTHORNE	i	705.53	1	28.20		0 • 0
TEN YR PROD= 1440:	MC ALESTER		516.89	1	19.53	1	29.9
CASE NO. 52	NEWPORT	1	493.24	1	18.89	1	****
(50/100/ 75) 11	HAWTHORNE	1	695.13		28.15	8	0 • 0
TEN YR PROD= 130511	MC ALESTER	1	507.43		19.47	1	30.1
CASE NO. 53	NEWPORT	:	483.97	1	18.84	:	****
(50/100/50) ::	HAWTHORNE	1	684.73	1	28.10		0.0
TEN YR PROD= 1170:1	MC ALESTER	-	497.97	1	19.42		30.2
CASE NO. 54 1:	NEWPORT		474.70		18.78	3	****
(50/100/ 25) :1	HAWTHORNE	2	674.32	2	28.06	1	0.0
TEN YR PROD= 103511	MC ALESTER	1	488,51	1	19.37		30.4
CASE NO. 55 . :1	NEWPORT	:	465.43	1	18.74	1	****
(50/100/ 0) 11	HAWTHORNE	1 -	663.92		28.03	2	0.0
TEN YR PROD= 900:1	MC ALESTER		479.05	9	19.32	1	30.6
						·	
CASE NO. 56	NEWPORT	1	490.17	2	18.87	2	****
(50/ 75/100) 1:	HAWTHORNE	:	691.68	1	28.13	4	0.0
TEN YR PROD= 1305:1	MC ALESTER	1	504.29	1	19.46		30.1
CASE NO. 56 1	NEWPORT	1	480.90	1	18.02	:	****
(50/ 75/ 75)	HAWTHORNE	i	681.28		28.09	•	0.0
TEN YR PROD= 1170:	MC ALESTER	1	494.84	2	19.40	2	30.3
CASE NO. 58	NEWPORT	1	471.63	1	18.77	1	****
(50/75/50) ::	HAWTHORNE	1	670.88		28.05		0 • 0
TEN YR PROD= 1035::	MC ALESTER	1	485.38	1	19.35	:	30.5
CASE NO. 59 11	NEWPORT	1	462.36		18.72	1	****
(50/ 75/ 25) 11	HAWTHORNE	1	660.48	1	28.02	1	0.0
TEN YR PROD= 900:	MC ALESTER	1	475.92	1	19.30	2	30.7
CASE NO. 60 ::	NEWPORT	:	453.08	1	18.68	1	*****
		7			27.98	-	0.0
(50/75/0) 11	HAWTHORNE		650.08	2	71.98	- 6	

RDX - HMX SITE SELECTION TWO LINE CAPACITY COST /SENSITIVITY /HISK

	*								a (f)
	: IDENTIFICATION ::	SITE		COST		SIGMA	:	RISK(%)	0
1	: CASE NO. 61 :: : (50/50/100) :: : TEN YR PROD= 1170::	NEWPOR! HAWTHORNE MC ALESTÉR	:	477.83 677.84 491.71	:	18.80 28.08 19.38	:	0.0	:
	: CASE NO. 62 :: : (50/50/75) :: : TEN YR PROD= 1035::	NEWPORT HAWTHORNE MC ALESTER	1 1 1	468.56 667.44 482.25	8	16.75 28.04 19.33	1	0.0 30.6	: : :
	: CASE NO. 63 :: : (50/50/50) :: : TEN YR PROD= 900::	NEWPORT HAWTHORNE MC ALESTER	:	459.29 657.03 472.79	1 1	18.71 28.00 19.29	:	0 • 0 30 • 8	:
	: CASE NO. 64 :: : (50/50/25/:: : TEN YR PROD= 765::	NEWPORT HAWTHORNE MC ALESTER	: :	450.01 646.63 463.33	:	18.6! 27.97 19.25	:	0 • 0 31 • 0	:
	: CASE NO. 65 :: (50/50/0) :: TEN YR PROD= 630::	NEWPORT HAWTHORNE MC ALESTER	:	440.74 636.23 453.87	:	18.63 27.94 19.21	:	0.0 31.2	:
	CASE NO. 66 :: (50/ 25/100' :: TEN YR PROD= 1035::	NEWPORT HAWTHORNE MC ALESTER	:	465.49 663.99 479.12	:	18.74 28.03 19.32	:	0 • 0 30 • 6	:
•	: CASE NO. 67 :: : (50/25/75) :: : TEN YR PROD= 900::	NEWPORT HAWTHORNE MC ALESTER	:	456.22 653.59 469.66	:	18.69 27.99 19,28	:	0 · 0 30 · 8	:
	: CASE NO. 68 :: : (50/25/50) :: : TEN YR PROD= 765:	NEWPORT HAWTHORNE MC ALESTER	:	446.94 643.19 460.20	:	18.65 27.96 19.24	1 :	0.0 31.0	:
	: CASE NO. 67 :: : (50/25/25) :: : TEN YR PROD= 630::	NEWPORT HAWTHORNE MC ALESTER	: :	43/.67 632.79 450.74	8	18.62 27.94 19.20	:	0.0 31.3	:
7	: CASE NO. 70 :: : (50/25/0) :: : TEN YR PROD= 495::	NEWPORT HAWTHORNE MC ALESTER	:	428.40 622.39 441.28	:	18.59 27.91 19.17	:	0.0 31.5	: :
	: TEN YR PROD= 495::	MC ALESTER	1	441.28		19.17		31.5	

RDX - HMX SITE SELECTION TWO LINE CAPACITY COST /SENSITIVITY /HISK INCREASE IN NEWPORT AAP COSTS CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0% (COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

		(don't i						
IDENTIFICATION		0 2	1	CUST		SIGMA	1	RISK(%)
	11	NEWPORT	1	453.15 650.15 466.53	:	18.68 27.98 19.26	1	0.0
CASE NO. 72 (50/ 0/ 75) TEN YR PROD=	11	NEWPORT HAWTHORNE MC ALESTER	1	443.87 639.75 457.07	:	18.64 27.95 19.23	1	0 • 0 31 • 1
CASE NO. 73 (50/ 0/ 50) TEN YR PROD=	11	NEWPORT HAWTHORNE MC ALESTER	1	434.60 629.34 447.61	:	18.61 27.93 19.19	:	0 • 0 31 • 3
CASE NO. 74 (50/ 0/ 25) TEN YR PRODE	11	NEWPORT HAWTHORNE MC ALESTER		425.33 618.94 438.15	1	18.58 27.90 19.16	1	0.0 31.6
CASE NO. 75 (50/ 0/ 0) TEN YR PROD=	2.1	NEWPORT HAWTHORNE MC ALESTER	1	416.06 608.54 428.69	1 1	18.55 27.89 19.14	:	0.0 31.8
CASE NO. 76 (25/100/100) TEN YR PROD= 1	2.1	NEWPORT HAWTHORNE MC ALESTER	:	479.48 679.69 493.39	:	18.81 28.08 19.39	:	0 · 0 30 · 3
CASE NO. 7/ (25/100/ 75) TEN YR PROD= 1	:1:	NEWPORT HAWTHORNE MC ALESTER		470.21 669.29 483.93	:	18.76 28.05 19.34	:	0.0 30.5
CASE NO. 78 (25/100/ 50) TEN YR PROD=	11	NEWPORT HAWTHORNE MC ALESTER	:	460.94 658.89 474.47	1	18.71 28.01 19.30	:	0 • 0 30 • 7
CASE NO. 79 (25/100/ 25) TEN YR PROD=	1.1	NEWPORT HAWTHORNE MC ALESTER	:	451.66 648.48 465.01	1 1	18.6/ 27.98 19.26	:	0.0 30.9
CASE NO. 80 (25/100/ 0) TEN YR PROD=	11	NEWPORT HAWTHORNE MC ALESTER	1	442.39 638.08 455.55	:	15.64 27.95 19.22	:	0.0 31.1

COST /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN SMILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

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	: IDENTIFICATION 1	SITE	i	COST		SIGMA		RISK(%)	1
18	: CASE NO. 81 : (25/ 75/100) : TEN YR PROD= 1125:	7 4 5 5 7 7 7	:	467.14 665.84 480.80	1 .	18.75 28.03 19.33		0.0	:
	: CASE NO. 82 :: : (25/ 75/ 75) :: : TEN YR PROD= 990:	HAWTHORNE	; ;	45/.87 655.44 471.34	:	18.70 28.00 19.28	:	0 • 0 30 • 8	:
	: CASE NO. 83 :: : (25/ 75/ 50) :: : TEN YR PROD= 855:	HAWTHORNE	: : :	448.59 645.04 461.88	:	19.66 27.97 19.24	:	0 • 0 31 • 0	:
	: CASE NO. 84 : 1 : (25/75/25) : TEN YR PROD= 720:	HAWTHORNE	:	439.32 634.64 452.42	:	18.62 27.94 19.21	3 3 3	0.0 31.2	:
0	: CASE NO. 85 :: : (25/ 75/ 0/ :: : TEN YR PROD= 585:	HAWTHORNE	:	430.05 624.24 442.96	:	18.59 27.92 19.18		0.0	:
	: CASE NO. 86 :: : (25/ 50/100) :: : TEN YR PROD= 990::	HAWTHORNE	:	454.80 652.00 468.21	:	18,69 27.99 19.27	. 8	0 • 0 30 • 9	:
	: CASE NO. 86 :: : (25/ 50/ 75) :: : TEN YR PROD= 855:	HAWTHORNE	:	445.52 641.60 458.75	:	18.65 27.96 19.23	:	0 • 0 31 • 1	1
	: CASE NO. 85 :: : (25/50/50) :: : TEN YR PROD= 720:	HAWTHORNE	\$ \$	436.25 631.20 449.29	1	18.61 27.93 19.20	:	0 • 0 31 • 3	
	: CASE NO. 87 :: : (25/50/25) :: : TEN YR PROD= 585:	HAWTHORNE	:	426.98 620.79 439.83	:	18.58 27.91 19.17		0 • 0 31 • 5	:
-	: CASE NO. 90 :: : (25/50/0) :: : TEN YR PROD= 450::	HAWTHORNE	:	417.71 610.39 430.37	:	18.56 27.89 19.14	:	0.0 31.7	:

RDX - HMX SITE SELECTION

TWO LINE CAPACITY

COS! /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS=

(COST IN SMILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

: IDENTIFICATION	N II	SITE	1	COST	1	SIGMA	:	RISK(%)
CASE NO. 91 (25/ 25/100) TEN YR PROD=		NEWPOR! HAWTHORNE MC ALESTER	-	442.46 638.15 455.62	1 :	18.64 27.95 19.22	:	0.0
: CASE NO. 92 1 (25/ 25/ 75) 1 TEN YR PROD=	11	NEWPORT HAWTHORNE MC ALESTER	:	433.18 627.75 446.16	:	18.60 27.92 19.19	î	0 • 0 31 • 4
: CASE NO. 93 : (25/25/50) : TEN YR PROD=	; i ; i 585; i	NEWPORT HAWTHORNE MC ALESTER	:	423.91 617.35 436.70	:	18.58 27.90 19.16		0 • 0 31 • 6
: CASE NO. 94 : (25/25/25) : TEN YR PROD=	45011	NEWPORT HAWTHORNE MC ALESTER	:	414.64 606.95 427.24	:	18.55 27.88 19.14	:	0 · 0 31 · 8
: CASE NO. 95 : (25/25/0) : TEN YR PROD=	315:1	NEWPORT HAWTHORNE MC ALESTER	1	405.36 596.55 417.78	1 1	18.53 27.87 19.12	:	0 • 0 32 • 0
: CASE NO. 96 : (25/ 0/100) : TEN YR PROD=	720::	NEWPORT HAWTHORNE MC ALESTER	:	430.11 624.31 443.03	:	18.59 27.92 19.18	:	0.0
1 CASE NO. 9/ 1 (25/ 0/75) 1 TEN YR PROD=	1 1	NEWPORT HAWTHORNE MC ALESTER	1	420.84 613.91 433.57	<i>t</i>	18.57 27.90 19.15	<u>:</u>	0 • 0 31 • 7
: CASE NO. 98 : (25/ 0/ 50) : TEN YR PROD=	450::	NEWPORT HAWTHORNE MC ALESTER	:	411.57 603.50 424.11	:	18.54 27.88 19.13	i i	0.0 31.9
: CASE NO. 97 : (25/ 0/ 25) : TEN YR PROD=		NEWPORT HAWTHORNE MC ALESTER	:	402.29 593.10 414.65	1 1	18.53 27.86 19.11	3	0 • 0 32 • 1
: CASE NO. 100 : (25/ 0/ 0) : TEN YR PROD=			:	393.02 582.70 405.19	:	18.51 27.85 19.10	:	0.0 32.4

RDX - HMX SITE SELECTION

TWO LINE CAPACITY

COST /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

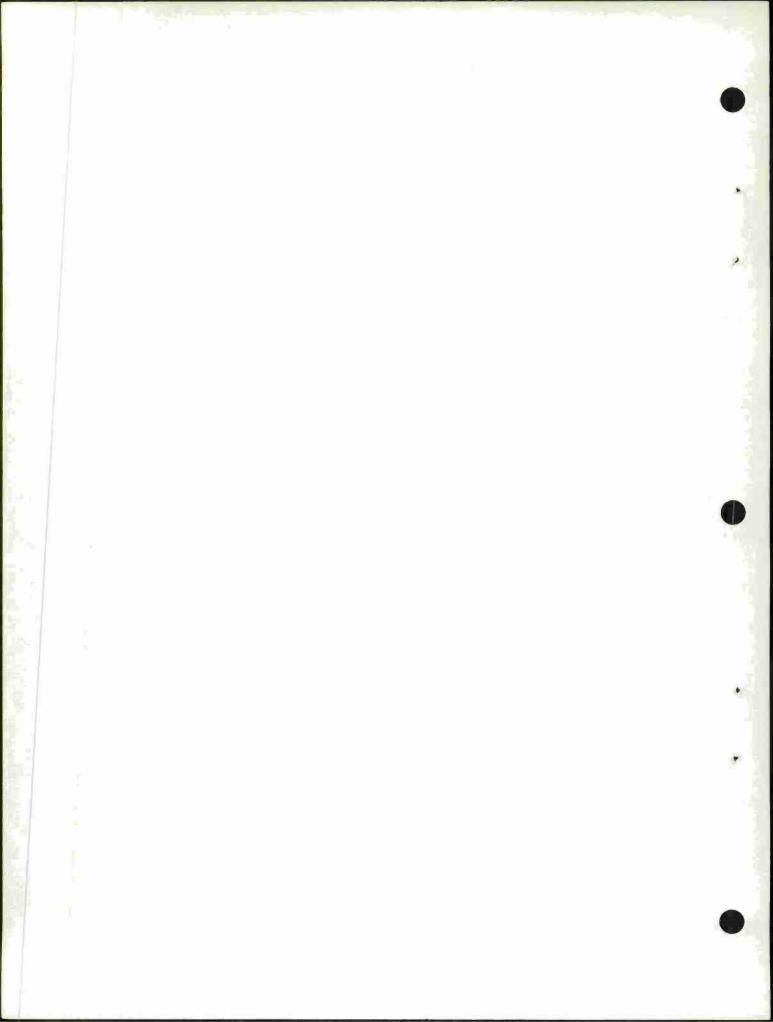
(QUANTITIES IN MILLIONS OF LBS.)

*									
: IDENTIFICATION	1 1	SITE	1	COST	8	SIGMA	\$	RISK(%)	1
: CASE NO. 101 : (0/100/100) : TEN YR PROD=		NEWPOR! HAWTHORNE MC ALESTER		456.45 653.85 469.89	:	18.69 27.99 19.28	:	0 · 0 30 · 8	• •
: CASE NO. 102 : (0/100/ 75) : TEN YR PROD=	945::		1	447.17 643.45 460.43	1 1	18.65 27.95 19.24	:	0.0	
: CASE NO. 103 : (0/100/ 50) : TEN YR PROD=	810::	NEWPORT HAWTHORNE MC ALESTER	1	437.90 633.05 450.97	:	18.62 27.94 19.20	:	0.0	3
: CASE NO. 104 : (0/100/ 25) : TEN YR PRODE	675:1	NEWPORT HAWTHORNE MC ALESTER	1 1	428.63 622.64 441.51	£	18.59 27.91 19.17	:	0 • 0 31 • 5	1
: CASE NO. 105 (0/100/ 0) TEN YR PROD=	540:1	NEWPORT HAWTHORNE MC ALESTER	:	419.36 612.24 432.06	:	18.56 27.89 19.15	:	0.0 31.7	1
: CASE NO. 106 : (0/ 75/100) : TEN YR PROD=			:	444.10 640.00 457.30	:	18.64 27.95 19.23	:	0.0 31.1	
: CASE NO. 104 : (0/ 75/ 75) : TEN YR PROD=	; î 810 : i	NEWPORT HAWTHORNE MC ALESTER	1	434.83 629.60 447.84	į į	18,61 27.93 19.19	1	0 • 0 31 • 3	1
: CASE NO. 108 : (0/ 75/ 50) : TEN YR PROD=	675::	NEWPORT HAWTHORNE MC ALESTER	:	425.56 619.20 438.38	:	18.58 27.91 19.16	1	0 • 0 31 • 5	
: CASE NO. 107 : (0/ 75/ 25) : TEN YR PROD=	540::	NEWPORT HAWTHORNE MC ALESTER	1	\$16.29 608.80 \$28.92	:	10.56 27.89 19.14	1	0 · 0 31 · 8	
*: CASE NO. 110 : (0/ 75/ 0) : TEN YR PROD=	4051	The second	:	407.01 598.40 419.47	1 1	18.54 27.87 19.12	:	0.0	

RDX - HMX SITE SELECTION . TWO LINE CAPACITY COST /SENSITIVITY /RISK

		(GUANITITE	2 IN	MIL	LIUNS	OF FR2.1		
: IDENTIFICATION	1:	SITE	С	OST		SIGMA	:	RISK(%)
CASE NO. 111 (0/ 50/100) TEN YR PROD=	2 2	NEWPORT : HAWTHORNE : MC ALESTER :	62	1.76 6.16 4.71	:	18.60 27.92 19.18	:	0.0 31.4
CASE NO. 112 (0/ 50/ 75) TEN YR PROD=	675::	NEWPORT : HAWTHORNE : MC ALESTER :	61	2.49 5.76 5.25	:	18.5 <i>?</i> 27.90 19.16	; ;	0 • 0 31 • 6
CASE NO. 113 (0/ 50/ 50) TEN YR PROD= !	11	NEWPORT : HAWTHORNE : MC ALESTER :	60	3.22 5.36 5.79	:	18.55 27.88 19.13	1	0.0 31.8
CASE NO. 114 (0/ 50/ 25) TEN YR PROD=	405:	NEWPORT : HAWTHORNE : MC ALESTER :	59	3.94 4.95 6.33	:	18,53 27.87 19.11	:	***** 0.0 32.1
CASE NO. 115 (0/ 50/ 0) TEN YR PROD=	270::	NEWPORT : HAWTHORNE : MC ALESTER :	58	4.67 4.55 6.88	: : : : : : : : : : : : : : : : : : : :	18.52 27.86 19.10	:	0.0
CASE NO. 116 (0/ 25/100) TEN YR PROD=	675:1	NEWPORT : HAWTHORNE : MC ALESTER :	61	9.42 2.31 2.12	:	18.56 27.89 19.15	:	0.0 31.7
CASE NO. 11((0/ 25/ 75) TEN YR PROD=	540:1	NEWPORT : HAWTHORNE : MC ALESTER :	60	0.15 1.91 2.66	:	18.54 27.88 19.13	:	0.0 31.9
CASE NO. 118 (0/ 25/ 50) TEN YR PROD=	405:1	NEWPORT : HAWTHORNE : MC ALESTER :	59	0.87 1.51 3.20	:	18.52 27.86 19.11	:	0 · 0 32 · 2
CASE NO. 117 (0/ 25/ 25) TEN YR PROD= 2	270::	NEWPORT : HAWTHORNE : MC ALESTER :	58	1.60 1.11 3.74	:	18.51 27.85 19.10	:	0 • 0 32 • 4
CASE NO. 120 (0/ 25/ 0) TEN YR PROD=	135:1	NEWPORT : HAWTHORNE : MC ALESTER :	57	2.33 0.71 4.29	:	18.50 27.85 19.09	:	0 • 0 32 • 6

,										
•	IDENTIFICATION	N 11	SITE	\$	COST		SIGMA	8	RISK (%)	1
	CASE NO. 121	::	NEWPORT		407.08		18.54		*****	• • •
	(0/ 0/100)	1 1	HAWTHORNE	1	598.47		27.87	2	0.0	
	TEN YR PROD=		MC ALESTER	:	419.53	· i	19.12	1	32.0	:
	CASE NO. 122	11	NEWPORT	1	397.81	:	18.52	1	****	:
	(0/ 0/ 75)	: 1	HAWTHORNE	8	588.07	2	27.86	3	0.0	2
	TEN YR PROD=	405:1	MC ALESTER	:	410.07		19.10	1	32.2	1
	CASE NO. 123	: 1	NEWPORT	:	388.53	1	18.51	;	****	:
	(0/ 0/ 50)	; ī	HAWTHORNE	1	577.67	2	27.85	3	0.0	1
	TEN YR PROD=	27011	MC ALESTER	3	400.61	1	19.09	2	32.5	2
										#
	CASE NO. 124	1 :	NEWPORT	8	374.26	3	18.50	:	****	8
	(0/ 0/ 25)	: 1	HAWTHORNE	1	567.26	\$	27.84	1	0.0	2
	TEN YR PRODE	135:1	MC ALESTER	1	391.15	1	19.09	8	32.7	1
	CASE NO. 125	::	NEWPORT	:	369.99		18.50	:	****	*
	(0/ 0/ 0)	11	HAWTHORNE	2	556.86	2	27.84	î	0.0	1
	TEN YR PROD=	0:1	MC ALESTER	1	381.70	:	19.08		33.0	1



RDX - HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= -5% UTLS= -5%, LBR= -5%, TRANS= -5% (COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

-									
\$	IDENTIFICATION :	SITE	:	COST	1	SIGMA		RISK(%)	3
:	CASE NO. 1 :: (100/100/100) :: TEN YR PROD= 3600::			1244.79	:	29.94 43.87 31.03	:	0.0	:
:	CASE NO. 2 :: (100/100/ 75) :: TEN YR PROD= 3330::	NEWPORT HAWTHORNE MC ALESTER	1		:	24.75 43.71 30.83	:	0 • 0 16 • 3	:
	CASE NO. 3 :: (100/100/ 50) :: TEN YR PROD= 3060::	NEWPORT HAWTHORNE MC ALESTER		864.30 1203.18 905.12	:	29.57 43.55 30.63	:	0.0	:
	CASE NO. 4 :: (100/100/ 25) :: TEN YR PROD= 2790::			846.68 1182.37 886.20	:	29.40 43.40 30.44	:	0 • 0 17 • 5	:
1	CASE NO. 5 :: (100/100/ 0) :: TEM YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	1	829.06 1161.57 867.28	:	29.23 43.26 30.27	:	0.0	:
	CASE NO. 6 :: (100/ 75/100) :: TEN YR PROD= 3330::			576.09 1217.10 917.78	:	27.69 43.65 30.76	:	0 • 0 16 • 5	:
	CASE NO. 7 :: (100/ 75/ 75) :: TEN YR PROD= 3060::	NEWPORT HAWTHORNE MC ALESTER	1	858.47 1196.29 898.86	:	29.51 43.50 30.57	:	0.0	:
:	CASE NO. 8 :: (100/ 75/ 50) :: TEN YR PROD= 2790::	NEWPORT HAWTHORNE MC ALESTER	1		:	29.34 43.35 30.38	:	0.0	:
	CASE NO. 7 :: (100/ 75/ 25) :: TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	ī	823.23 1154.68 861.02	:	29.18 43.21 30.21	:	0.0	:
:	CASE NO. 10 :: (100/ 75/ 0) :: TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER		005.61 1133.87 842.10		29.03 43.08 30.05	:	0.0	:

RDX - HMX SITE SELECTION
FOUR LINE CAPACITY
COST /SENSITIVITY /MISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= -5% UTLS= -5%, LBR= -5%, TRANS= -5% (COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

*								
: IDENTIFICATION ::	SITE	1	COST		SIGMA	i	RISK(%)	2
: CASE NO. 11 :: : (100/ 50/100) :: : TEN YR PROD= 3060::	NEWPOR! HAWTHORNE MC ALESTER		852.64 1189.41 892.59	:	29.45 43.45 30.50	:	0.0	:
: CASE NO. 12 :: : (100/ 50/ 75) :: : TEN YR PROD= 2790::	NEWPORT HAWTHORNE MC ALESTER	:	d35.02 1168.60 873.67	:	29.29 43.31 30.32	:	0 · 0 18 · 0	:
: CASE NO. 13 :: : (100/ 50/ 50) :: : TEN YR PROU= 2520::	NEWPORT HAWTHORNE MC ALESTER		817.40 1147.79 854.75	:	29.13 43.17 30.15	:	0 • 0 18 • 6	:
: CASE NO. 14 :: : (100/ 50/ 25) :: : TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER	:	799.77 1126.99 835.83	:	28.99 43.04 30.00		0.0	:
: CASE NO. 15 :: : (100/ 50/ 0) :: : TEN YR PROD= 1980::	NEWPORT HAWTHORNL MC ALESTER	:	782.15 1106.18 816.91	!	28.85 42.93 29.85	:	0.0 20.1	
: CASE NO. 16 :: : (100/ 25/100) :: : TEN YR PROD= 2790:	NEWPORT HAWTHORNE MC ALESTER	:	829.18 1161.71 867.41	:	29.23 43.26 30.27	:	0 · 0 18 · 2	
: CASE NO. 17 :: : (100/ 25/ 75) :: : TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	:	811.56 1140.91 848.49	:	29.08 43.13 30.10	:	0.0	:
CASE NO. 18 :: (100/ 25/ 50) :: TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER	:	793.94 1120.10 829.57	:	28.94 43.00 29.94	1	0.0	:
CASE NO. 19 :: : (100/ 25/ 25) :: : TEM YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER	:	776.32 1099.29 810.65	:	25.01 42.89 29.80	:	**** 0 • 0 20 • 4	:
: CASE NO. 20 :: : (100/ 25/ 0) :: : TEN YR PROD= 1710::	NEWPORT HAWTHORNE MC ALESTER	:	/58.70 1078.49 791.73	:	28.68 42.78 29.66	:	0.0	:

RDX - HMX SITE SELECTION FOUR LINE CAPACITY

COST /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= -5% UTLS= -5%, LBR= -5%, TRANS= -5%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION :	SITE	:	cost	:	SIGMA	:	RISK(%)	
CASE NO. 21 :: (100/ 0/100) :: TEN YR PROD= 2520::	HAWTHORNE		805.73 1134.02 842.23	:	29.03 43.09 30.05	:	0.0	• •
CASE NO. 22 :: (100/ 0/ 75) :: TEN YR PRUD= 2250:	HAWTHORNE	:	/88.11 1113.21 823.31	\$ \$ \$	28.89 42.96 29.90		0.0	
CASE NO. 23 :: (100/ 0/ 50) :: TEN YR PROD= 1980:	HAWTHORNE	:	770.49 1092.41 804.39	:	28.76 42.85 29.75	:	0 • 0 20 • 6	
CASE NO. 24 :: (100/ 0/ 25) :: TEN YR PROD= 1710::	HAWTHORNE	:	/52.87 1071.60 785.47	: : :	28.64 42.75 29.62	:	0.0	
CASE NO. 25 :: (100/ 0/ 0) :: TEN YR PROD= 1440:	HAWTHORNE	:	735.25 1050.79 766.55	:	28.53 42.65 29.50	:	0.0	
CASE NO. 26 :: (75/100/100' :: TEN YR PROD= 3240::	HAWTHORNE	:	855.77 1193.11 895.96	\$ \$ \$	29.48 43.48 30.54	:	0.0 17.2	
CASE NO. 2(:: (75/100/ 75) :: TEN YR PROD= 2970:	HAWTHORNE	:	838.15 1172.30 877.04	:	29.32 43.33 30.36		0.0	
CASE NO. 20 :: (75/100/ 50) :: TEN YR PROD= 2700:	HAWTHORNE	:	820.53 1151.49 858.12	:	24.16 43.19 30.18	:	0.0	-
CASE NO. 29 :: (75/100/ 25) :: TEN YR PROD= 2430::	HAWTHORNE	:	802.91 1130.69 839.20	:	29.01 43.07 30.02	:	0.0	
CASE NO. 3U :: (75/100/ 0) :: TEN YR PROD= 2160::	HAWTHORNE	:	785.29 1109.88 820.28	:	28.87 42.95 29.87	:	0.0	

RDX - HMX SITE SELECTION FUUR LINE CAPACITY COS! /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS CONST= 0%, MTLS= -5% UTLS= -5%, LBR= -5%, TRANS= -5%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANITIES IN MILLIONS OF LBS.)

: IDFNTIFICATION ::	SITE	:	CUST	:	SIGMA	:	RISN(%)	#
: CASE NO. 31 :: : (75/75/100) :: : TEN YR PROD= 2970::	NEWPORT HAWTHORNL MC ALESTER	:	832.32 1165.41 870.78	:	29.26 43.28 30.30	:	0.0	:
: CASE NO. 32 :: : (75/75/75) :: : TEN YR PROD= 2700:	NEWPORT HAWTHORNE MC ALESTER	:	814.70 1144.61 851.86	:	29.11 43.15 30.13	:	0.0	:
: CASE NO. 33 :: : (75/75/50) :: : TEN YR PROD= 2430::	NEWPORT HAWTHORNE MC ALESTER		797.08 1123.80 832.94	:	28.96 43.02 29.97	:	0.0	:
: CASE NO. 34 :: : (75/75/25) :: : TEN YR PROD= 2160::	NEWPORT HAWTHORNE MC ALESTER	:	777.46 1102.99 814.02	:	28.83 42.91 29.82		0.0	:
: CASE NO. 35 :: : (75/75/0) :: : TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	:	/61.84 1082.19 795.10	:	28.70 42.80 29.69	:	0.0 21.0	:
: CASE NO. 36 :: : (75/50/100) :: : TEN YR PROD= 2700::	NEWPORT HAWTHORNE MC ALESTER	:	808.87 1137.72 845.59	:	29.06 43.11 30.08	:	0.0	:
: CASE NO. 3/ :: : (75/50/75) :: : TEN YR PROD= 2430::	NEWPORT HAWTHORNE MC ALESTÉR	:	791.24 1116.91 826.67	1 2 2	20.72 42.99 29.92	:	0.0	
: CASE NO. 30 :: : (75/50/50) :: : TEN YR PRUD= 2160::	NEWPORT HAWTHORNE MC ALESTER	:	/73.62 1096.11 80/.75	:	20./9 42.87 29.78	:	0 • 0 20 • 5	1
: CASE NO. 37 :: : (75/50/25) :: : TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	:	/56.00 1075.30 788.83		28.66 42.77 29.65	:	0.0	:
: CASE NO. 40 :: : (75/50/0) :: : TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER	:	738.38 1054.49 769.91	:	28.55 42.67 29.52	:	0 · 0 22 · 1	:

PAGE 5

RDX - HMX SITE SELECTION FOUR LINE CAPACITY

COSI /SENSITIVITY /KISK
INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= -5% UTLS= -5%, LBR= -5%, TRANS= -5% (COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

*										
	IDENTIFICATION	: :	SITE	1	COST	1	SIGMA		RISK(%)	1
0.00	CASE NO. 41	: 1	NEWPORT		785.41	• • • • • • •	28.87			
	(75/ 25/100)	1				1	42.95		0.0	
	TEM YR PROD= 2430				820.41		29.87		20.0	
*-	TEN TR PRODE 2430		TOTAL SILK		050.41		27.01		2000	4
	CASE NO. 42		NEWPORT	0	767.79	2	28.74		****	1
			HAWTHORNE	1	1089.22	8	42.84	:	0.0	1
1	TEN YR PROD= 2160	: :	MC ALESTER	\$	801.49	8	29.73	1	8.05	0
	CASE NO. 43	;;	NEWPORT	:	/50.17		28.63	:	****	#
		400	HAWTHORNE	-	1068.41	2	42.73	Î	0 • 0	
	TEN YR PROD= 1890		MC ALESTER		782.57	2	29.60		21.6	
-			TO MEESIER		105.01		27.00			
	CASE NO. 44	: :	NEWPORT	:	732.55	1	28.52	:	****	*
-	(75/ 25/ 25)	: 1	HAWTHORNE	1	1047.61	8	42.64	ž.	0 • 0	2
1	TEN YR PROD= 1620	: :	MC ALESTER	8	763.65		29.48	1	22.4	8
* -	CASE NO. 45		NEWPORT	1	714.93	:	28.42	:	****	
				1	1026.80	2	42.56		0.0	2
	TEN YR PROD= 1350		MC ALESTER		744.73		29.38		23.3	:
& =										
1	CASE NO. 46	: :	NEWPORT	*	761.96		28.70	8		
2	(75/ 0/100)	: :	HAWTHORNE	\$	1082.33		42.80	2	0.0	
1	TEN YR PROD= 2160	: :	MC ALESTER	0	795.23	1	29.69	:	21.0	:
,	CASE NO. 47	. :	NEWPORT	:	744.34		28.59	:	****	
		-0			1061.53		42.70	2	0.0	
	TEN YR PROD= 1890		MC ALESTER		776.31	- 1	29.56	:	21.8	
# -			To ALLOTER		110131					
2	CASE NO. 48	: 1	NEWPORT	1	126.72		28.48		****	
2	(75/ 0/ 50)	: :	HAWTHORNE	1	1040.72	1	42.61	1	0.0	:
1	TEN YR PROD= 1620	: :	MC ALESTER		757.39	1 -	29.45	\$	22.7	
-	CASE NO. 49	::	NEWPORT	:	/09.10	:	20.39	:	****	#
				*	1019.91	1	42.53	-	0.0	2
	TEN YR PROD= 1350		MC ALESTER		738.47	1	29.34	2	23.6	,
# -					130071					A
		11	NEWPORT	•	691.48		28.31	1	***	
				1	999.11	1	42.46	ī	0.0	
1	TEM YR PROD= 1080	: :	MC ALESTER	2	119.55	21	29.25	1	24.5	
-										

FOUR LINE CAPACITY
COST (SENSITIVITY /HISK

COSI /SENSITIVITY /HISK
INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= -5% UTLS= -5%, LBR= -5%, TRANS= -5% (COST IN \$MILLION DISCOUNTED AT 10%) (QUAN'ITIES IN MILLIONS OF LBS.)

IDENTIFICATION :	SITE	:	cost	į.	SIGMA	:	RISK(%)	
CASE NO. 51 :: (50/100/100) :: TEM YR PROD= 2880::	NEWPOR! HAWTHORNE MC ALESTER	:	812.00 1141.42 848.96	:	29.09 43.13 30.10		0.0	• • •
CASE NO. 52 :: (50/100/ 75) :: TEN YR PROD= 2610::	NEWPORT HAWTHORNE MC ALESTER	:	794.38 1120.62 830.04	*	28.94 43.01 29.95	3 3	0 • 0 19 • 6	
CASE NO. 53 :: (50/100/ 50) :: TEN YR PROD= 2340::	NEWPORT HAWTHORNE MC ALESTER	:	776.76 1099.81 811.12	:	28.81 42.89 29.80	:	0 · 0 20 · 4	
CASE NO 54 :: (50/100/ 25) :: TEN YR PROD= 2070::	NEWPORT HAWTHORNE MC ALESTER	:	/59.14 1079.00 792.20	8	28.69 42.78 29.67	:	**** 0 • 0 21 • 2	
CASE NO. 55 :: (50/100/ 0) :: TEN YR PROD= 1800::	NEWPORT HAWTHORNE MC ALESTER	:	741.52 1058.20 773.28	:	28.57 42.69 29.54	:	0.0	
CASE NO. 56 :: (50/ 75/100) :: TEN YR PROD= 2610:	HAWTHORNE	:	788.55 1113.73 823.78	: : : : : : : : : : : : : : : : : : : :	28.90 42.97 29.90	:	0.0	
CASE NO. 5/ :: (50/ 75/ 75) :: TEN YR PROD= 2340:	HAWTHORNE	:	/70.93 1092.92 804.86	:	28. ((42.85 29.76		0.0	
CASE NO. 58 :: (50/75/50) :: TEN YR PROD= 2070::	NEWPORT HAWTHORNE MC ALESTER	:	753.31 1072.12 785.94	:	28.65 42.75 29.63	:	0 • 0 21 • 4	
CASE NO. 59 :: (50/75/25) :: TEN YR PROD= 1800::	NEWPORT HAWTHORNE MC ALESTER	:	/35.69 1051.31 767.02	*:	20.54 42.66 29.51	:	**** 0 • 0 22 • 3	
CASE NO. 60 :: (50/75/0) :: TEN YR PROD= 1530::	NEWPORT HAWTHORNE MC ALESTER	:	718.06 1030.50 748.10	: :	28.44 42.57 29.40	:	**** 0.0 23.1	

RDX - HMX SITE SELECTION FUUR LINE CAPACITY

COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST= 0%, MTLS= -5% UTLS= -5%, LBR= -5% TRANS= -5%
(COST IN \$MILLION DISCOUNTED AT 10%)
(QUANTITIES IN MILLIONS OF LBS.)

4									
	: IDENTIFICATION :	SITE		COST		SIGMA		RISK(%)	:
	CASE NO. 61 :: (50/ 50/100) :: TEN YR PROD= 2340::		:	765.09 1086.03 798.60	:	28.73 42.82 29.71	:	0.0	:
	CASE NO. 62 :: (50/ 50/ 75) :: TEN YR PROD= 2070::	NEWPORT HAWTHORNE MC ALESTER	:	74/.47 1065.23 779.67	:	2°.61 42.72 29.58	:	0.0 21.7	:
	CASE NO. 63 :: (50/ 50/ 50) :: TEN YR PROD= 1800::	NEWPORT HAWTHORNE MC ALESTER	:	/27.85 1044.42 760.75	:	28.50 42.63 29.47	:	0.0	:
	CASE NO. 64 :: (50/50/25) :: TEN YR PROD= 1530:	NEWPORT HAWTHORNE MC ALESTER	:	712.23 1023.61 741.83	1	28.41 42.54 29.36	1 1	0.0 23.4	:
	CASE NO. 65 :: (50/ 50/ 0) :: TEN YR PROD= 1260::	NEWPORT HAWTHORNE MC ALESTER	*	694.61 1002.81 722.91	:	20.32 42.47 29.27		0.0	:
	CASE NO. 66 :: (50/25/100) :: TEN YR PROD= 2070::	NEWPORT HAWTHORNE MC ALESTER	:	741.64 1058.34 773.41	:	28.57 42.69 29.54		0.0	:
	CASE NO. 6/ :: (50/ 25/ 75) :: TEN YR PROD= 1800:	NEWPORT HAWTHORNE MC ALESTER		/24.02 1037.53 754.49		28.4/ 42.60 29.43	:	0.0 22.8	:
	CASE NO. 60 :: (50/ 25/ 50) :: : TEN YR PROD= 1530::	NEWPORT HAWTHORNE MC ALESIER	:	/06.40 1016.73 735.57	:	28.38 42.52 29.33	:	0.0	:
	CASE NO. 67 :: (50/ 25/ 25) :: : TEN YR PROD= 1260::	NEWPORT HAWTHORNE MC ALESTER	:	680.78 995.92 716.65	:	28.29 42.45 29.24		0 · 0 24 · 7	:
	CASE NO. 70 :: (50/25/0) :: TEN YR PROD= 990::	NEWPORT HAWTHORNE MC ALESTER	:	671.16 975.11 697.73	:	20,22 42,38 29:16	:	0.0	:
,									

FOUR LINE CAPACITY COST /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= -5% UTLS= -5%, LBR= -5%, TRANS= -5% (COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

IL CASE NO. 71 I NEWPORT 718.19 28.44 0.00 1 1 1 1 1 1 28.44 0.00 1 1 1 1 1 1 1 1 1	, 1	\$								#
1 (50/ 0/100) :! HAWTHORNE : 1030.65		: IDENTIFICATION ::	SITE	-	COST		SIGMA		RISK(%)	3.
1 (50/ 0/75)		: (50/ 0/100) ::	HAWTHORNE	ı	1030.65	2	42.57	:	0 • 0	:
: (50/ 0/ 50)		: (50/ 0/ 75) ::	HAWTHORNE		1009.84	*	42.49	:	0 • 0	:
1 (50/ 0/25) :		: (50/ 0/50) ::	HAWTHORNE		989.03		42.42	:	0.0	
### 1		1 (50/ 0/ 25) ::	HAWTHORNE		968.23	:	42.37	:	0.0	:
(25/100/100)		: (50/ 0/ 0) ::	HAWTHORNE	ī	947.42	*	42.32	:	0.0	:
(25/100/ 75)	5 9	: (25/100/100 / ::	HAWTHORNE		1089.74	:	42.84	8 0 0	0.0	:
I CASE NO. 79 :: NEWPORT : 1048.12 : 42.64 : 0.0 : 10.0 :	1	(25/100/ 75) ::	HAWTHORNE		1068.93		42.74	:	0 • 0	:
: (25/100/ 25) :: HAWTHORNE : 1027.32 : 42.56 : 0.0 : TEN YR PROD= 1710:: MC ALESTER : 745.20 : 29.38 : 23.3 : 42.56 : 0.0 : 10	-1	: (25/100/ 50) ::	HAWTHORNE		1048.12		42.64	1 1	0.0	:
: (25/100/ 0) :: HAWTHORNE : 1006.51 : 42.48 : 0.0	- 1	(25/100/ 25) ::	HAWTHORNE	-	1027.32	8	42.56	:	0 • 0	:
	1	: (25/100/ 0) ::	HAWTHORNE	:	1006.51	8	42.48	:	0.0	:

FOUR LINE CAPACITY COST /SENSITIVITY /HISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= -5% UTLS= -5%, LBR= -5%, TRANS= -5%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

	1404111112	114 1172210113	Of FD3.1	
: IDENTIFICATION :	SITE :	COST	SIGMA	: RISK(%) :
: CASE NO. 81 :: : (25/ 75/100) :: : TEN YR PROD= 2250::	NEWPOR! : HAWTHORNE : MC ALESTER :	744.78 : 1062.04 : 776.78 :	28.59 42.70 29.57	: 0.0 : 21.8
: CASE NO. 82 :: : (25/ 75/ 75) :: : TEN YR PROD= 1980::	NEWPORT : HAWTHORNE : MC ALESTER :	72/.16 : 1041.24 : 757.86 :	2d.49 42.61 29.45	0 · 0 · 1 · 22 · 7 · 1
: CASE NO. 83 :: : (25/75/50) :: : TEN YR PROD= 1710::	NEWPORT : HAWTHORNE : MC ALESTER :	709.53 : 1020.43 : 738.94 :	28.39 42.53 29.35	0.0
: CASE NO. 84 :: : (25/ 75/ 25) :: : TEN YR PROD= 1440::	NEWPORT : HAWTHORNE : MC ALESTER :	691.91 : 999.62 : 720.02 :	20.31 42.46 29.25	:
: CASE NO. 85 :: : (25/75/0) :: : TEN YR PRON= 1170::	NEWPORT : HAWTHORNL : MC ALESTER :	674.29 : 978.82 : 701.10 :	29.23 42.39 29.17	0.0 :
: CASE NO. 85 :: : (25/ 50/100) :: : TEN YR PROD= 1980::	NEWPORT : HAWTHORNE : MC ALESTER :	721.32 : 1034.35 : 751.60 :	28.45 42.58 29.42	: 0.0 : 23.0
: CASE NO. 8/ :: : (25/ 50/ 75) :: : TEN YR PROD= 1710::	NEWPORT : HAWTHORNE : MC ALESTER :	703./0 : 1013.54 : 732.68 :	28.36 42.51 29.32	0.0:
: CASE NO. 8" :: : (25/ 50/ 50) :: : TEN YR PROD= 1440::	NEWPORT : HAWTHORNE : MC ALESTER :	686.08 : 992.74 : 713.75 :	28.28 42.44 29.23	0.0
: CASE NO. 87 :: : (25/ 50/ 25) :: : TEH YH PROD= 1170::	NEWPORT : HAWTHORNE : MC ALESTER :	66d.46 971.93 694.83	20.21 42.38 29.15	: **** 0 · 0 : 25 · 8
: CASE NO. 90 :: 1 (25/ 50/ 0) :: 1 TEN YR PROD= 900:	NEWPORT : HAWTHORNE : MC ALESTER :	650.84 : 951.12 : 675.91 :	20.15 42.32 29.08	: **** : 0.0 : 26.8

RDX - HMX SITE SELECTION FUUR LINE CAPACITY COST /SENSITIVITY /MISK

COSI /SENSITIVITY /KISK
INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= -5% UTLS= -5%, LBR= -5%, TRANS= -5%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

*							
: IDENTIFICATION :	SITE	-	COST	•	SIGMA	1	RISK(%)
: CASE NO. 91 :: : (25/25/100) :: : TEM YR PROD= 1710::	HAWTHORNE	: 10	97.87 06.66 26.41	1	28.33 42.48 29.28	:	0 • 0 24 • 2
: CASE NO. 92 :: : (25/ 25/ 75) :: : TEN YR PROD= 1440::	HAWTHORNE	î 9	80.25 85.85 07.49		28.26 42.42 29.20	: î	0.0 25.1
: CASE NO. 93 :: : (25/25/50) :: : TEN YR PROD= 1170::	HAWTHORNE	1 9	62.63 65.04 88.57	1	25.19 42.36 29.13		0.0 26.1
: CASE NO. 94 :: : (25/25/25) :: : TEN YR PROD= 900::	HAWTHORNE	: 9	45.01 44.24 69.65	1	28.13 42.31 29.06	•	0 • 0 27 • 1
: CASE NO. 95 :: : (25/ 25/ 0) :: : TEN YR PROD= 630::	HAWTHORNE	1 9	27.39 23.43 50.73	1	28.09 42.27 29.01	;	0 • 0 28 • 2
CASE NO. 96 :: (25/ 0/100) :: TEN YR PROD= 1440::	HAWTHORNE	: 9	74.42 78.96 01.23	1	28.23 42.40 29.17	:	0 • 0 25 • 4
: CASE NO. 97 :: : (25/ 0/75) :: : TEN YR PROD= 1170::	HAWTHORNE	: 9	56.80 58.16 82.31	:	28.17 42.34 29.10	:	0.0
: CASE NO. 98 :: : (25/ 0/ 50) :: : TEN YR PROD= 900::	NEWPORT HAWTHORNE MC ALESTER	1 9	39.17 37.35 63.39	2	28.12 42.29 29.05	:	0 • 0 27 • 5
: CASE NO. 99 :: : (25/ 0/25) :: : TEN YR PROD= 630:		: 9	21.55 16.54 44.47	1	28.07 42.26 29.00	1	0 • 0 28 • 5
: CASE NO. 100 :: : (25/ 0/ 0) :: : TEN YR PPOD= 360:		1 8	03.93 95.74 25.55	:	20.04 42.23 28.96	:	0.0

RDX - HMX SITE SELECTION FUUR LINE CAPACITY COST /SENSITIVITY /HISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= -5% UTLS= -5%, LBR= -5%, TRANS= -5%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

•	: IDENTIFICATION ::	SITE	•	CUST	:	SIGMA	:	RISK(%)	:
A	: CASE NO. 101 :: : (0/100/100) :: : TEN YR PROD= 2160::	NEWPORT		724.46 1038.05 754.96	:	28.47 42.60 29.43	:	0.0	:
	: CASE NO. 102 :: : (0/100/ 75) :: : TEM YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	:	706.84 1017.24 736.04	:	28.38 42.52 29.33	:	0.0	:
	: CASE NO. 103 :: : (0/100/ 50) :: : TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER	:	687.22 996.44 717.12	:	28.29 42.45 29.24	:	0.0	:
	: CASE NO. 104 :: : (0/100/ 25) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	:	671.60 975.63 698.20	:	26,22 42,39 29.16	:	0.0 25.6	:
•	: CASE NO. 105 :: (0/100/ 0) :: TEN YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER		653.98 954.83 679.28	:	28.16 42.33 29.09	:	0.0	:
	: CASE NO. 106 :: : (0/ 75/100) :: : TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	2	701.00 1010.36 729.78	:	28.35 42.49 29.30	* *	0 • 0 24 • 0	:
	: CASE NO. 107 :: : (0/ 75/ 75) :: : TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER	:	683.38 989.55 710.86	:	26.27 42.43 29.21	:	0.0	:
	: CASE NO. 10° :: : (0/ 75/ 50) :: : TEN YR PROD= 1350::	THE STATE OF THE S	:	665.76 968.74 691.94	1	20.20 42.37 29.14	:	0.0 25.9	:
	: CASE NO. 107 :: : (0/ 75/ 25) :: : TEN YR PRON= 1080::	NEWPORT HAWTHORNE MC ALESTER	:	640.14 947.94 673.02	:	20.14 42.32 29.07	:	0.026.9	:
	: (0/ 75/ 0) ::	NEWPORT HAWTHORNE MC ALESTER	:	630.52 927.13 654.10	:	28.09 42.28 29,02	:	0.0	:

FOUR LINE CAPACITY COS! /SENSITIVITY /RISK

COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS

CONST = 0%, MTLS = -5% UTLS = -5%, LBR = -5%, TRANS = -5%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

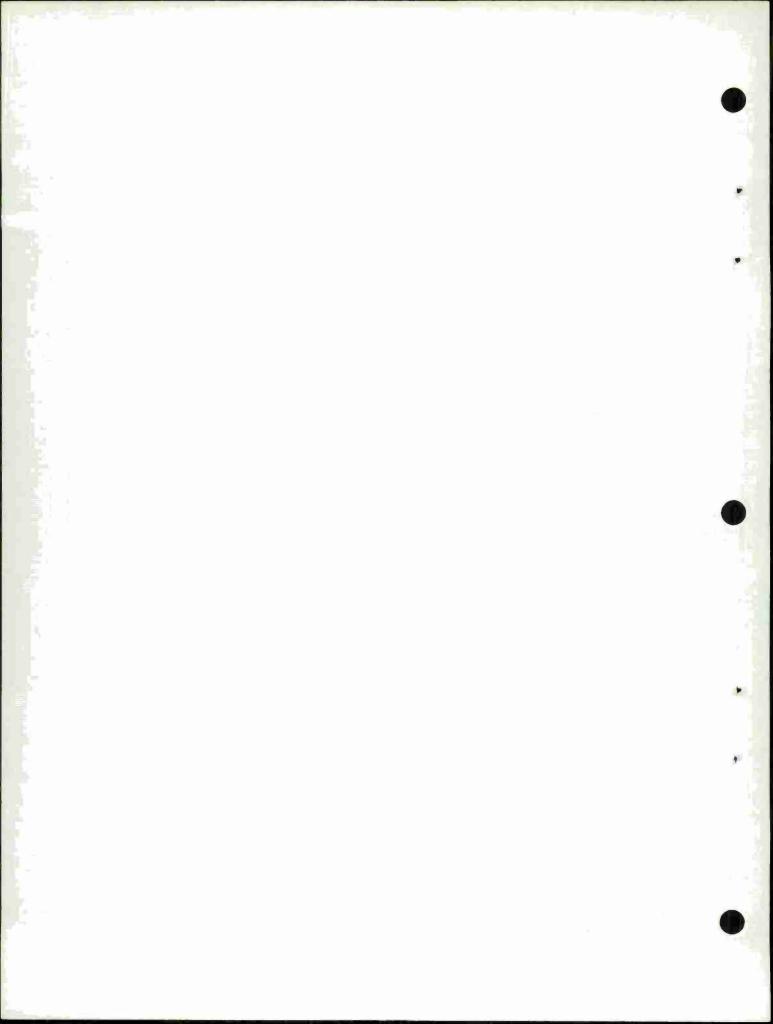
									-
IDENTIFICATION	1	SITE	1	COST	1	SIGMA	:	RISK (%)	
CASE NO. 111	::	NEWPORT		677.55		28.25		****	• •
(0/ 50/100)	: :	HAWTHORNE	:	982.66	1	42.41	1	0.0	
TEN YR PRODE				704.60	1	29.19	:	25.3	
CASE NO. 112	: :	NEWPORT	*	659.93		28.18	:	****	
(0/ 50/ 75)	: 1	HAWTHORNE	2	961.86	1	42.35		0 • 0	
TEN YR PROD=	350::	MC ALESTER	1	685.68	1	29.12	1	26.3	
CASE NO. 113	• 1	NEWPORT	:	642.31		28.12	:	*****	
(0/ 50/ 50)		HAWTHORNE		941.05	ż	42.30	7	0.0	
TEN YR PRODE		MC ALESTER		666.75	:	29.05		27.3	
TEN IN PROUP		MC ALESIER		000.75		27.03		C1 • 3	
CASE NO. 114	: 1	NEWPORT		624.69		28.08		***	
(0/ 50/ 25)		HAWTHORNE	ī	920.24		42.26	:	0.0	
TEN YR PRODE	810::	MC ALESTER	:	647.83	1	29.01	1	28.3	
CASE NO. 115	::	NEWPORT		607.07		28.05		*****	
(0/ 50/ 0)	: 3	HAWTHORNE	:	899.44	:	42.24		0.0	
TEN YR PRODE		MC ALESTER						29.4	
IEW IN PRODE	34011	MC ALESTER		628.91	:	28.97		29.4	
CASE NO. 116	::	NEWPORT	:	654.10	1	28.16	2	***	
(0/ 25/100)	: :	HAWTHORNE		954.97	:	42.33		0.0	
TEN YR PROD=	1350::	MC ALESTER	:	679.41	:	29.09	:	26.6	
CASE NO. 117		NEWPORT	:	636.48	:	28.11		00000	-
(0/ 25/ 75)	1.1	HAWTHORNE		934.16	:	42.29	9	0.0	
TEN YR PRODE		MC ALESTER	-	660.49		29.04		27.6	
		THE ALESTER		000.49		27.04		61.0	
CASE NO. 118	11	NEWPORT	:	618.86		28.07		00000	
(0/ 25/ 50)	: 1	HAWTHORNE		913.36		42.25		0.0	
TEN YR PROD=	810::	MC ALESTER	:	641.57	\$	28.99	8	28.7	
CASE NO. 119	;;	NEWPORT	:	601.24	:	20.04		*****	-
(0/ 25/ 25)		HAWTHORNE	1	892.55	1	42.23	-	0.0	
TEM YR PROD=	540::	MC ALESTER		622.65	:	28.96	•	29.8	
TON IN PRODE		THE ALESTER		022,00		20.70		6740	
CASE NO. 120	: :	NEWPORT	:	583.61	:	20.02	8	***	
(0/ 25/ 0)		HAWTHORNE	1	871 74		42.21	1	0.0	
TEN YR PROD=	270::	MC ALESTER	2	603.73		28.94	2	30.9	
The state of the s									

RDX - HMX SITE SELECTION FOUR LINE CAPACITY

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COST /SENSITIVITY /HISK
INCREASE IN NEWPORT AAP COSTS
CONST= 0%, MTLS= -5% UTLS= -5%, LBR= -5%, TRANS= -5%
(COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION	1 1	SITE	ŧ	COST	:	SIGMA		RISK(%)	
CASE NO. 121	::	NEWPORT	12	630.64		28.09		00000	• •
(0/ 0/100)			:	927.28	i	42.28	- 1	0.0	
TEN YR PRODE 1		MC ALESTER	-	654.23	1	29.02	1	28.0	
CASE NO. 122	::	NEWPORT	:	613.02	:	28.06	:	****	
(0/ 0/ 75)	: :	HAWTHORNE	1	906.47		42.24	:	0 - 0	
TEN YR PROD=	810::	MC ALESTER		635.31		28.98	:	29.0	
CASE NO. 123	::	NEWPORT	:	595.40		28.03	:	****	
(0/ 0/ 50)	: 1	HAWTHORNE	:	885.66		42.22	:	0.0	
TEM YR PRODE	540::	MC ALESTER	:	616.39	:	28.95	:	30.1	
CASE NO. 124	::	NEWPORT	:	571.18		28.01	:	****	
	::	HAWTHORNE	1	864.86	1	42.21	1	0.0	
TEN YR PROD=	270::	MC ALESTER	:	597.47	*	28.93		31.2	
CASE NO. 125	::	NEWPORT	:	560.16	:	28.01	:	****	
(0/ 0/ 0)	: :	HAWTHORNE	1	844.05	:	42.20	:	0.0	
TEN YR PROD=	0::	MC ALESTER		578.55		28.93	1	32.4	



RDX - HMX SITE SELECTION FUUR LINE CAPACITY

COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST= 0%, MTLS= 5% UTLS= 5%, LBR= 5%, TRANS= 5%
(COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LOS.)

	: IDENTIFICATION ::	SITE :	COST	•	SIGMA	:	RISK(%) :	
	: CASE NO. 1 :: : (100/100/100) :: : TEN YR PROD= 3600::	NEWPORT : HAWTHORNE : MC ALESTER :	935.27 1244.79 942.96	:	30.35 43.87 31.03	:	0.0 43.0	
	: CASE NO. 2 :: : (100/100/ 75) :: : TEN YR PROD= 3330::	NEWPORT : HAWTHORNE : MC ALESTER :	915.79 1223.99 924.04	:	30.12 43.71 30.83	:	0.0	
	: CASE NO. 3 :: : (100/100/ 50) :: : TEN YR PROD= 3060::	NEWPORT : HAWTHORNE : MC ALESTER :	896.32 1203.18 905.12	t :	29.90 43.55 30.63	:	0.0	
	: CASE NO. 4 :: : (100/100/ 25) :: : TEN YR PROD= 2790::	NEWPORT : HAWTHORNE : MC ALESTER :	876.84 1182.37 886.20	:	29.69 43.40 30.44	:	0 · 0 · 1 41 · 3	
D	: CASE NO. 5 :: : (100/100/ 0) :: : TEN YR PROD= 2520::	NEWPORT : HAWTHORNE : MC ALESTER :	857.37 1161.57 867.28	:	29,50 43.26 30.27	:	0 • 0 : 40 • 7 :	
	: CASE NO. 6 :: : (100/ 75/100) :: : TEN YR PROD= 3330::	NEWPORT : HAWTHORNE : MC ALESTER :	909.35 1217.10 917.78	:	30.05 43.65 30.76	:	0.0 42.2	
	: CASE NO. 7 :: : (100/ 75/ 75) :: : TEN YR PROD= 3060::	NEWPORT : HAWTHORNE : MC ALESIER :	889.87 1196.29 896.86	:	29.03 43.50 30.57	:	0 • 0 : 41 • 7 :	
	: CASE NO. B :: : (100/ 75/ 50) :: : TEN YR PROD= 2790::	NEWPORT : HAWTHORNE : MC ALESTER :	870.39 1175.49 879.94	:	29.53 43.35 30.38	:	0 • 0 : 41 • 1 :	
	: CASE NO. 9 :: : (100/ 75/ 25) :: : TEN YR PROD= 2520:	NEWPORT : HAWTHORNE : MC ALESTER :	850.92 1154.68 861.02	:	29.44 43.21 30.21	:	0.0 :	
*	: (100/ 75/ 0) ::	NEWPORT : HAWTHORNE : MC ALESTER :	831.44 1133.87 842.10	:	29,25 43.08 30.05	:	0 • 0 3 40 • 0	

RDX - HMX SITE SELECTION FOUR LINE CAPACITY

COSI /SENSITIVITY /KISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 5% UTLS= 5%, LBR= 5%, TRANS= 5%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION :	SITE	2	COST	1	SIGMA	1	RISK(%)	
CASE NO. 11 : (100/ 50/100) :	HAWTHORNE	:	883.42 1189.41 892.59	:	29.76 43.45 30.50	:	0 • 0	• •
CASE NO. 12 : (100/ 50/ 75) : TEN YR PROD= 2790:	HAWTHORNE	:	863.95 1168.60 873.67	:	29.56 43.31 30.32	•	0.0	
CASE NO. 13 :: (100/ 50/ 50) TEN YR PROD= 2520:	HAWTHORNE	:	844.47 1147.79 854.75	:	29.37 43.17 30.15	:	0 = 0	_
(100/ 50/ 25) TEN YR PROD= 2250:	HAWTHORNE	:	825.00 1126.99 835.83	:	29.20 43.04 30.00	:	0 • 0 39 • 8	
CASE NO. 15 :: (100/ 50/ 0) :: TEN YR PROD= 1980:	HAWTHORNE	:	805.52 1106.18 816.91	:	24.03 42.93 29.85	:	0.0 39.2	_ =
CASE NO. 16 :: (100/ 25/100) TEN YR PROD= 2790:	HAWTHORNE	:	857.50 1161.71 867.41	:	29.50 43.26 30.27	:	0 • 0 4 0 • 7	
CASE NO. 17 : (100/ 25/ 75) : TEN YR PROD= 2520:	HAWTHORNE	:	838.03 1140.91 848.49	:	29.31 43.13 30.10	:	0.0	
CASE NO. 18 :: (100/ 25/ 50) TEN YR PROD= 2250:	HAWTHORNE	:	818.55 1120.10 829.57	:	29.14 43.00 29.94	:	0.0	
CASE NO. 19 :: (100/ 25/ 25) :: TEN YR PROD= 1980::	HAWTHORNE	:	799.08 1099.29 810.65	:	28.98 42.89 29.80	:	0.0	
CASE NO. 20 :: (100/ 25/ 0) :: TEN YR PROD= 1710:	HAWTHORNE	:	779.60 1078.49 791.73	1 1 2 2	28.83 42.78 29.66	:	0.0	

RDX - HMX SITE SELECTION FUUR LINE CAPACITY

COSI /SENSITIVITY /HISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 5% UTLS= 5%, LBR= 5%, TRANS= 5%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

*								*
: IDENTIFICATION :	SITE	:	COST		SIGMA	8	RISK(%)	
: CASE NO. 21 :: : (100/ 0/100) :: : TEN YR PROD= 2520::	NEWPOR! HAWTHORNE MC ALESTER		00-4-0	:	29.26 43.09 30.05	:	0 • 0	:
: CASE NO. 22 :: : (100/ 0/ 75) :: : TEN YR PPOD= 2250::	NEWPORT HAWTHORNE MC ALESTER	:	812.10 1113.21 823.31	1	29.09 42.96 29.90	:	0.0	:
: CASE NO. 23 :: : (100/ 0/ 50) :: : TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER	:	792.63 1092.41 804.39	:	28.93 42.85 29.75	:	0.0	:
: CASE NO. 24 :: : (100/ 0/ 25) :: : TEN YR PROD= 1710::	NEWPORT HAWTHORNE MC ALESTER	:	/73.15 1071.60 785.47		28.78 42.75 29.62	:	0.0	:
: CASE NO. 25 :: : (100/ 0/ 0) :: : TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER	:	753.68 1050.79 766.55	:	28.65 42.65 29.50	1	0.0	:
: CASE NO. 26 :: : (75/100/100) :: : TEN YR PRUD= 3240::	NEWPORT HAWTHORNE MC ALESTER	:	886.89 1193.11 895.96	:	29.50 43.48 30.54	:	0.0	:
: CASE NO. 27 :: (75/100/ 75) :: : TEN YR PROD= 2970::	NEWPORT HAWTHORNE MC ALESTER	:	867.41 1172.30 877.04	:	29.60 43.33 30.36	:	0 • 0 41 • 0	:
: CASE NO. 28 :1 : (75/100/ 50) :: : TEN YR PROD= 2700::	NEWPORT HAWTHORNE MC ALESTER	:	847.94 1151.49 858.12	:	29.41 43.19 30.18	:	0 • 0 40 • 5	:
: CASE NO. 29 :: : (75/100/ 25) :: : TEN YR PROD= 2430::		1	525.46 1130.69 839.20	:	29.23 43.07 30.02	:	**** 0 • 0 3 9 • 9	:
: CASE NO. 30 :: : (75/100/ 0) :: : TEN YR PROD= 2160::	NEWPORT HAWTHORNE MC ALESTER		808.79 1109.88 820.28	:	29.06 42.95 29.87	i i	0.0	:

RDX - HMX SITE SELECTION FUUR LINE CAPACITY

COST /SENSITIVITY /HISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 5% UTLS= 5%, LBR= 5%, TRANS= 5%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION :	SITE	1	CUST		SIGMA	ě	RISK(%)	
CASE NO. 31 (75/75/100) TEN YR PROD= 2970:	: HAWTHORNE		860.97 1165.41 870.78	:	29.53 43.28 30.30		0.0	
CASE NO. 32 (75/ 75/ 75) TEN YR PROD= 2700:	: HAWTHORNE	:	851.86	:	29.35 43.15 30.13	:	0.0	
CASE NO. 33 (75/ 75/ 50) TEN YR PROD= 2430:	: HAWTHORNE	:	822.02 1123.80 832.94	:	29.17 43.02 29.97	:	0 • 0 39 • 7	
CASE NO. 34 (75/ 75/ 25) TEN YR PROD= 2160:		:	802.54 1102.99 814.02	:	29.01 42.91 29.82	:	0 • 0 39 • 1	
CASE NO. 35 (75/75/0) TEN YR PROD= 1890:	: HAWTHORNE	:	/83.07 1082.19 795.10	:	20.86 42.80 29.69	:	0.0 38.6	
CASE NO. 36 (75/ 50/100) TEN YR PROD= 2700	: HAWTHORNE	:	835.04 1137.72 845.59	:	29.29 43.11 30.08	:	0 • 0 40 • 1	
CASE NO. 37 (75/ 50/ 75) TEN YR PROD= 2430:	HAWTHORNE	:	815.57 1116.91 826.67	:	29.12 42.99 29.92	:	0.0 39.5	
CASE NO. 38 (75/50/50) TEN YR PROD= 2160:	: HAWTHORNE	:	796.09 1096.11 807.75	:	28.96 42.87 29.78	:	0.0	
CASE NO. 39 : (75/ 50/ 25) TEM YR PROD= 1890:	HAWTHORNE	:	776.62 1075.30 788.83	:	28.81 42.77 29.65	:	0.0 38.4	
		:	75/.14 1054.49 769.91	:	28.67 42.67 29.52		0 • 0 37 • 8	

RDX - HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /HISK

INCREASE IN NEWPORT AAP COSTS
CONST= 0%, MTLS= 5% UTLS= 5%, LBR= 5%, TRANS= 5% (COST IN SMILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

*								#
: IDENTIFICATION :	SITE	3	COST		SIGMA		RISK (%)	:
: CASE NO. 41 :: : (75/ 25/100) :: : TEN YR PROD= 2430::	NEWPORT HAWTHORNE MC ALESTER	:	809.12 1110.03 820.41	:	29.06 42.95 29.87	:	0.0	:
: CASE NO. 42 :: : (75/ 25/ 75) :: : TEN YR PROD= 2160::	NEWPORT HAWTHORNE MC ALESTER	:	789.65 1089.22 801.49	\$ \$ \$	28.91 42.84 29.73	:	0 • 0 38 • 8	:
: CASE NO. 43 :: : (75/25/50) :: : TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	:	/70.17 1068.41 782.57	\$ \$	28.16 42.73 29.60	:	0.0 38.2	:
: CASE NO. 44 :: : (75/ 25/ 25) :: : TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER	:	750.70 1047.61 763.65	1 1 1	28.63 42.64 29.48	:	0.0 37.6	:
: CASE NO. 45 :: : (75/ 25/ 0) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	:	731.22 1026.80 744.73	8	28.51 42.56 29.38	*	0.0 37.1	:
: CASE NO, 46 :: : (75/ 0/100) :: : TEN YR PROD= 2160::	NEWPORT HAWTHORNE MC ALESTER	:	783.20 1082.33 795.23	3	20.06 42.80 29.69	1 1	0 • 0 38 • 6	:
: CASE NO. 47 :: : (75/ 0/75) :: : TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	8	763.73 1061.53 776.31	:	28.72 42.70 29.56	:	0 • 0 38 • 0	:
: CASE NO. 48 :: : (75/ 0/50) :: : TEN YR PROD= 1620::		:	744.25 1040.72 757.39	:	28.59 42.61 29.45		0 • 0 37 • 4	
: CASE NO. 49 :: : (75/ 0/25) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	:	/24./7 1019.91 738.47	:	28.4/ 42.53 29.34	:	0 • 0 36 • 9	:
: CASE NO. 50 :: : (75/ 0/ 0) :: : TEN YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER	:	705.30 999.11 719.55	:	28.37 42.46 29.25	:	0 • 0 36 • 3	:

RDX - HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /HISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 5% UTLS= 5%, LBR= 5%, TRANS= 5%

(COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION :	SITE	:	cust		SIGMA	:	RISK(%)	
CASE NO. 51 :: (50/100/100) :: TEN YR PROD= 2880::	1 100	:	838.51 1141.42 848.96	:	29.32 43.13 30.10		0 • 0 40 • 2	
CASE NO. 52 :: (50/100/ 75) :: TEN YR PROD= 2610::	NEWPORT HAWTHORNE MC ALESTER	:	819.03 1120.62 830.04	:	29.15 43.01 29.95	:	0 • 0 39 • 6	
CASE NO. 53 :: (50/100/ 50) :: TEN YR PROD= 2340::	NEWPORT HAWTHORNE MC ALESTER	:	799.56 1099.81 811.12	:	28.98 · 42.89 29.80	:	0 • 0 39 • 0	
CASE NO. 54 :: (50/100/ 25) :: TEN YR PROD= 2070:	NEWPORT HAWTHORNE MC ALESTER	:	/80.08 1079.00 792.20	:	20.03 42.78 29.67	:	0 • 0 38 • 5	
CASE NO. 55 :: (50/100/ 0) :: TEN YR PROD= 1800::		:	760.61 1058.20 773.28	:	28.70 42.69 29.54	:	0 • 0 37 • 9	
CASE NO. 56 :: (50/ 75/100) :: TEN YR PROD= 2610::	NEWPORT HAWTHORNE MC ALESTER	:	812.59 1113.73 823.78	:	29.09 42.97 29.90	:	0.0	
CASE NO. 5(:: (50/ 75/ 75) :: TEN YR PROD= 2340::	NEWPORT HAWTHORNE MC ALESTER	:	/93.11 1092.92 804.86	:	28.73 42.85 29.76	:	0.0	
CASE NO. 58 :: (50/75/50) :: TEN YR PROD= 2070::	NEWPORT HAWTHORNE MC ALESTER	:	773.64 1072.12 785.94	:	28.79 42.75 29.63	•	0 • 0 38 • 3	
CASE NO. 57 :: (50/ 75/ 25) :: TEN YR PROD= 1800::	NEWPORT HAWTHORNE MC ALESTER	:	/54.16 1051.31 767.02	:	28.65 42.66 29.51	:	0 • 0 37 • 7	
CASE NO. 60 :: (50/ 75/ 0) :: TEN YR PROD= 1530::	NEWPORT HAWTHORNE MC ALESTER	:	/34.69 1030.50 748.10	:	20.53 42.57 29.40	:	***** 0 • 0 37 • 2	

RDX - HMX SITE SELECTION FOUR LINE CAPACITY

COST /SENSITIVITY /KISK
INCREASE IN NEWPORT AAP COSTS
CONST= 0% MTLS= 5% UTLS= 5% L8R= 5% TRANS= 5% (COST IN \$MILLION DISCOUNTED AT 10%)
(QUANTITIES IN MILLIONS OF LBS.)

: CASE NO. 61 :: NEWPORT : 786.67 : 28.88 : (50/50/100) :: HAWTHORNE : 1086.03 : 42.82 : TEN YR PROD= 2340:: MC ALESTER : 798.60 : 29.71 : CASE NO. 62 :: NEWPORT : (6/.19 28.74	0 · 0 · 38 · 7 · 3 · 4 · 4 · 4 · 4 · 5 · 6 · 6 · 6 · 6 · 6 · 6 · 6 · 6 · 6
	0 • 0
: (50/50/75) :: HAWTHORNE : 1065.23 : 42.72 : TEN YR PROD= 2070:: MC ALESTER : 779.67 : 29.58 :	
: CASE NO. 63 : NEWPORT : (47./1 : 28.61 : (50/50/50) :: HAWTHORNE : 1044.42 : 42.63 : TEN YR PROD= 1800: MC ALESTER : 760.75 : 29.47 :	0 · 0 : 37 · 5 :
: CASE NO. 64 : NEWPORT : /28.24 28.49 : (50/50/25) :: HAWTHORNE : 1023.61 : 42.54 : TEN YR PROD= 1530: MC ALESTER : 741.83 : 29.36 :	0 · 0 : 37 · 0 :
: CASE NO. 65 :: NEWPORT : 708.76 : 28.39 : (50/50/0) :: HAWTHORNE : 1002.81 : 42.47 : TEN YR PROD= 1260:: MC ALESTER : 722.91 : 29.27	0 · 0 : 36 · 4
: CASE NO. 66 :: NEWPORT : 760.74 : 28.70 : (50/25/100) :: HAWTHORNE : 1058.34 : 42.69 : TEN YR PROD= 2070: MC ALESTER : 773.41 : 29.54	0.0 37.9
: CASE NO. 67 :: NEWPORT : 741.27 : 28.57 : (50/25/75) :: HAWTHORNE : 1037.53 : 42.60 : TEN YR PROD= 1800:: MC ALESTER : 754.49 : 29.43	0.0 : 37.4 :
: CASE NO. 68 : NEWPORT : 721.79 28.46 : (50/25/50) :: HAWTHORNE : 1016.73 : 42.52 : TEN YR PROD= 1530:: MC ALESTER : 735.57 : 29.33	0.0 36.8
: CASE NO. 69 : NEWPORT : 702.32 . 28.36 : (50/25/25) : HAWTHORNE : 995.92 : 42.45 : TEN YR PROD= 1260: MC ALESTER : 716.65 : 29.24	0.0 : 36.2
: CASE NO. 70 :: NEWPORT : 682.84 28.27 : (50/25/0) :: HAWTHORNE : 975.11 : 42.38 : TEN YR PROD= 990: MC ALESTER : 697.73 : 29.16 :	***** : 0.0 : 35.7 :

RDX - HMX SITE SELECTION FUUR LINE CAPACITY

COSI /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST= 0%, MTLS= 5% UTLS= 5%, LBR= 5%, TRANS= 5%
(COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

								#
IDENTIFICATION :	SITE	1	COST	, ,	SIGMA	<u> </u>	RISK(%)	
CASE NO. 71 (50/ 0/100) TEN YR PROD= 1800:	NEWPOR! HAWTHORNE MC ALESTER	:	734.82 1030.65 748.23	:	28.53 42.57 29.40	:	0.0 37.2	:
CASE NO. 72 :: (50/ 0/75) :: TEN YR PROD= 1530::	NEWPORT HAWTHORNE MC ALESTER	:	/15.35 1009.84 729.31	:	28.42 42.49 29.30	: :	0.0	:
CASE NO. 73 :: (50/ 0/ 50) :: TEN YR PROD= 1260::	NEWPORT HAWTHORNE MC ALESTER	:	695.87 989.03 710.39	:	28.33 42.42 29.21		0 • 0 36 • 1	
CASE NO. 74 :: (50/ 0/ 25) :: TEN YR PROD= 990::	NEWPORT HAWTHORNL MC ALESTER	:	676.40 968.23 691.47	:	28.24 42.37 29.14		0 • 0 35 • 5	:
CASE NO. 75 :: (50/ 0/ 0) :: TEN YR PROD= 720::	NEWPORT HAWTHORNE MC ALESTER		656.92 947.42 672.55	:	28.17 42.32 29.07		0 • 0 35 • 0	:
CASE NO. 76 :: (25/100/100) :: TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	:	790.13 1089.74 801.96	:	28.91 42.84 29.74	:	0 • 0 38 • 8	:
CASE NO. 7/ :: (25/100/ 75) :: TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER	\$ \$	770.66 1068.93 783.04	:	28.17 42.74 29.61	:	0.0	:
CASE NO. 78 :: (25/100/ 50) :: TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER	:	751.18 1048.12 764.12	\$ \$ \$	28.63 42.64 29.49		0 • 0 37 • 6	:
CASE NO. 79 :: (25/100/ 25) :: TEN YR PROD= 1710::	NEWPORT HAWTHORNL MC ALESTER	:	731.70 1027.32 745.20	:	28.51 42.56 29.38	:	0 • 0 37 • 1	:
CASE NO. 80 :: (25/100/ 0) :: TEN YR PROD= 1440::	NEWPORT HAWTHORNL MC ALESTER	:	712.23 1006.51 726.28	:	28.41 42.48 29.28	:	0 • 0 36 • 5	:
								1000

DATE: 16 JAN 75

RDX - HMX SITE SELECTION FOUR LINE CAPACITY

COST /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 5% UTLS= 5%, LBR= 5%, TRANS= 5%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUAN_ITTIES IN MILLIONS OF LBS.)

B									
:]	DENTIFICATION :	SITE	•	COST		SIGMA	*	RISK(%)	
000	:: 81 SAS	NEWPORT		764.21		28.72		****	0 0
		HAWTHORNE			24	42.70	1	0 • 0	
	EN YR PROD= 2250::			776.78		29.57		38.0	
-	TEN IN PRODE 2230	THE ALESTER		170.10		27131		3000	
	ASE NO. 82 :1	NEWPORT	:	744.73		20.59	8	****	
	25/ 75/ 75) ::	HAWTHORNE	:	1041.24	8	42.61	:	0.0	
1	TEN YR PROD= 1980::	MC ALESTER	2	757.86	1	29.45		37.5	
	MAE NO 03 4!	NEUDODZ		725 24		20 40		*****	
	CASE NO. A3 ::	NEWPORT		725.26	All	28.48	-		
		HAWTHORNE		1020.43		42.53	1	0.0	
1	TEN YR PROD= 1710:	MC ALESTER	:	738.94	1	29.35	:	36.9	
	ASE NO. 84 :1	NEWPORT	:	705.78	:	28.37	:	****	
-	25/ 75/ 25)			994.62		42.46	:	0.0	
	EN YR PROD= 1440::	MC ALESTER		720.02		29.25		36.3	
(CASE NO. 85 11	NEWPORT	:	686.31	1	28.28		***	
((25/ 75/ 0) ::	HAWTHORNE	:	978.82	\$	42.39	:	0.0	
1	TEN YR PROD= 1170::	MC ALESTER	1	701.10		29.17	1	35.8	
				700.00				*****	
	ASE NO. 86 ::		1	738.29	1	28.55			
	(25/50/100) ::		:	1034.35	:	42.58	, and	0.0	
_ 1	TEN YR PROD= 1980::	MC ALESTER	1	751.60	1	29.42	:	37.3	
	ASE NO. 87 ::	NEWPORT	:	718.81	:	28.44	:	****	_
-	25/ 50/ 75) ::	Marie Control of the		1013.54	-	42.51		0.0	
	EN YR PROD= 1710::			732.68	:	29.32		36.7	
				13-100					
(ASE NO. 88 ::	NEWPORT		699.34	:	28.34		****	
(25/ 50/ 50) ::	HAWTHORNE		992.74		42.44	\$	0.0	
1	EN YR PROD= 1440::	MC ALESTER		713.75	1	29.23	2	36.2	
-									-
-	CASE NO. 87 11	NEWPORT	•	674.86	:	26.56		***	
(25/ 50/ 25) :1	HAWTHORNE	3	971.93	\$	42.38		0 - 0	
1	TEN YR PROD= 1170::	MC ALESTER	1	694.83	1	29.15		35.6	
	CASE NO. 90 ::	NEWPORT	:	660.38	:	28.18		84480	-
	(25/50/0) ::		1	951.12		42.32		0.0	
	EN YR PROD= 900::								
	EN TH PRODE AGO!!	MU ALESTER	ě	675.91	1	29.08		35 • 1	

RDX - HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /KISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 5% UTLS= 5%, LBR= 5%, TRANS= 5%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION	: :	SITE	:	CUST		SIGMA	1	RISK (%)	
CASE NO. 91		NEWPORT		712.36		28.41	• • • • •	****	
(25/ 25/100)						42.48		0 • 0	
TEN YR PRODE 1			:					36.5	
TEN TR PRODE I	710::	MC ALESTER		726.41		29.28		30.5	
CASE NO. 92	: 1	NEWPORT	:	692.09	1	28.31	*	****	
(25/ 25/ 75)	2.2	HAWTHORNE	:	985.85	:	42.42	î	0.0	
TEN YR PROD= 1	440::	MC ALESTER	2	707.49	:	29.20	:	36.0	
CASE NO. 93	::	NEWPORT	:	673.41	:	28.23	:	****	-
(25/ 25/ 50)	: 1	HAWTHORNE		965.04		42.36		0.0	
TEN YR PRODE 1		MC ALESTER	-	688.57		29.13		35.4	
CASE NO. 94	: :	NEWPORT	:	653.94	:	28.16	:	***	
1 25/ 25/ 251	: :	HAWTHORNE	1	944.24		42.31	:	0.0	
TEN YR PROD=	900::	MC ALESTER	•	669.65	2	29.06	*	34.9	
CASE NO. 95	::	NEWPORT	:	634,46	:	20.10	:	****	, -
(25/ 25/ 0)			2	923.43	2	42.27	•	0.0	
				650.73		29.01		34.4	
				030,73					-
CASE NO. 96	2 2	NEWPORT	:	686.44		28.28		***	
(25/ 0/100)	: :	HAWTHORNE	2	978.96	1	42.40	\$	0.0	
TEM YR PROD= 1	440::	MC ALESTER	:	701.23	3	29.17	*	35.8	
CASE NO. 91	::	NEWPORT	:	666. 47	:	28.20	:	****	
(25/ 0/ 75)	: :	HAWTHORNE	-	958.16	2	42.34	:	0.0	
TEN YR PROD= 1		MC ALESTER	-	682.31	1	29.10	:	35.3	
									-
CASE NO. 98	: :	NEWPORT	2	641.49	1	28.14	3	****	
(25/ 0/ 50)	: :	HAWTHORNE	2	937.35	:	42.29	*	0.0	
TEN YR PROD=	900::	MC ALESTER	•	663.39	\$	29.05	8	34.7	
CASE NO. 99	::	NEWPORT	:	628.02	1	28.09	:	****	-
(25/ 0/ 25)	: :	HAWTHORNE		916.54	:	42.26	:	0 • 0	
TEN YR PRODE		MC ALESTER	-	644.47		29.00	:	34.2	
CASE NO. 100		NEWPORT	:	608.54	1	20 05		****	-
(25/ 0/ 0)	: :		•	895.74	:	28.05 42.23		0 • 0	
	360:1	MC ALESTER		625.55	1	28.96		33.7	
TE PRODE	300.1	ME ALESTER	•	023.33	*	20.70		33.1	

RDX - HMX SITE SELECTION FOUR LINE CAPACITY

COST /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 5% UTLS= 5%, LBR= 5%, TRANS= 5%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

*					- #
: IDENTIFICATION ::	SITE	CUST	SIGMA	RISK(%)	- 1
: CASE NO. 101 :: : (0/100/100) :: : TEN YR PROD= 2160::	NEWPOR! HAWTHORNE MC ALESTER		28.57 42.60 29.43	0 · 0 37 · 4	:
: CASE NO. 102 :: : (0/100/ 75) :: : TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	: 1017.24	20.46 42.52 29.33	: 0 · 0 · 0 · 36 · 8	:
: CASE NO. 103 :: : (0/100/ 50) :: : TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER	996.44	: 28,36 : 42.45 : 29.24	: 0.0 : 36.3	:
: CASE NO. 104 :: : (0/100/ 25) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	975.63	: 28.27 : 42.39 : 29.16	0.0 35.7	:
: CASE NO. 105 :: : (0/100/ 0) :: : TEN YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER		: 28.19 : 42.33 : 29.09	: **** : 0.0 : 35.2	:
: CASE NO. 106 :: : (0/ 75/100) :: : TEN YR PROD= 1890::	NEWPORT : HAWTHORNE : MC ALESTER :	: 1010.36	28.42 42.49 29.30	: 0.0 : 36.6	
: CASE NO. 10' :: : (0/ 75/ 75) :: : TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER	989.55	: 20,33 : 42.43 : 29.21	: 0.0 : 36.1	:
: CASE NO. 105 :: : (0/ 75/ 50) :: : TEN YR PRUD= 1350::	NEWPORT HAWTHURNE MC ALESTER		28.24 42.37 29.14	0 · 0 35 · 5	
: CASE NO. 107 :: : (0/ 75/ 25) :: : TEN YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER	947.94	20.17 : 42.32 : 29.07	: **** : 0 • 0 : 35 • 0	:
: CASE NO. 110 :: : (0/ 75/ 0) :: : TEN YR PRON= 810::		927.13	: 20.11 42.28 : 29.02	0 · 0 34 · 5	:

RDX - HMX SITE SELECTION FUUR LINE CAPACITY

COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST= 0%, MTLS= 5% UTLS= 5%, LBR= 5%, TRANS= 5%
(COST IN \$MILLION DISCOUNTED AT 10%)
(QUANTITIES IN MILLIONS OF LBS.)

· · · · · · · · · · · · · · · · · · ·								0
: IDENTIFICATION ::	SITE		COST		SIGMA	:	RISK(%)	:
: CASE NO. 111 : (0/ 50/100) : TEN YR PROD= 1620:			689.91 982.66 704.60	:	28.30 42.41 29.19		0.0	:
: CASE NO. 112 :: : (0/50/75) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	:	670.43 961.86 685.68	:	28.22 42.35 29.12	:	0 • 0 35 • 3	:
: CASE NO. 113 :: : (0/50/50/ : TEN YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER	:	650.96 941.05 666.75	:	28.15 42.30 29.05	:	0.0	:
CASE NO. 114 :: (0/ 50/ 25) :: TEN YR PROD= 810::	NEWPORT HAWTHORNE MC ALESTER	:	631.48 920.24 647.83	:	28.10 42.26 29.01	:	0.0	:
: CASE NO. 115 :: (0/ 50/ 0) :: : TEN YR PROD= 540:	NEWPORT HAWTHORNE MC ALESTER	:	612.01 899.44 628.91	:	28.05 42.24 28.97	:	0.0 33.8	:
: CASE NO. 116 :: : (0/ 25/100) :: : TEM YR PROD= 1350::		:	663.99 954.97 679.41	:	28.19 42.33 29.09	:	0.0	
: CASE NO. 11/ :: : (0/ 25/ 75) :: : TEN YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER	:	644.51 934.16 660.49	:	28.13 42.29 29.04	:	0 • 0 34 • 6	
: CASE NO. 110 :: : (0/ 25/ 50) :: : TEN YR PROD= 810:	NEWPORT HAWTHORNE MC ALESTER	:	625.03 913.36 641.57	:	20.08 42.25 28.99		0 • 0 34 • 1	:
: CASE NO. 119 :: : (0/ 25/ 25) :: : TEN YR PROD= 540::	NEWPORT HAWTHORNE MC ALESTER	:	605.56 892.55 622.65	:	20.04 42.23 28.96	:	0 • 0 33 • 6	
: CASE NO. 120 :: : (0/ 25/ 0) :: : TEN YR PROD= 270::	NEWPORT HAWTHORNE MC ALESTER	:	586.08 871.74 603.73	:	28.02 42.21 28.94	:	0 • 0 33 • 1	

RDX - HMX SITE SELECTION FUUR LINE CAPACITY COSI /SENSITIVITY /RISK

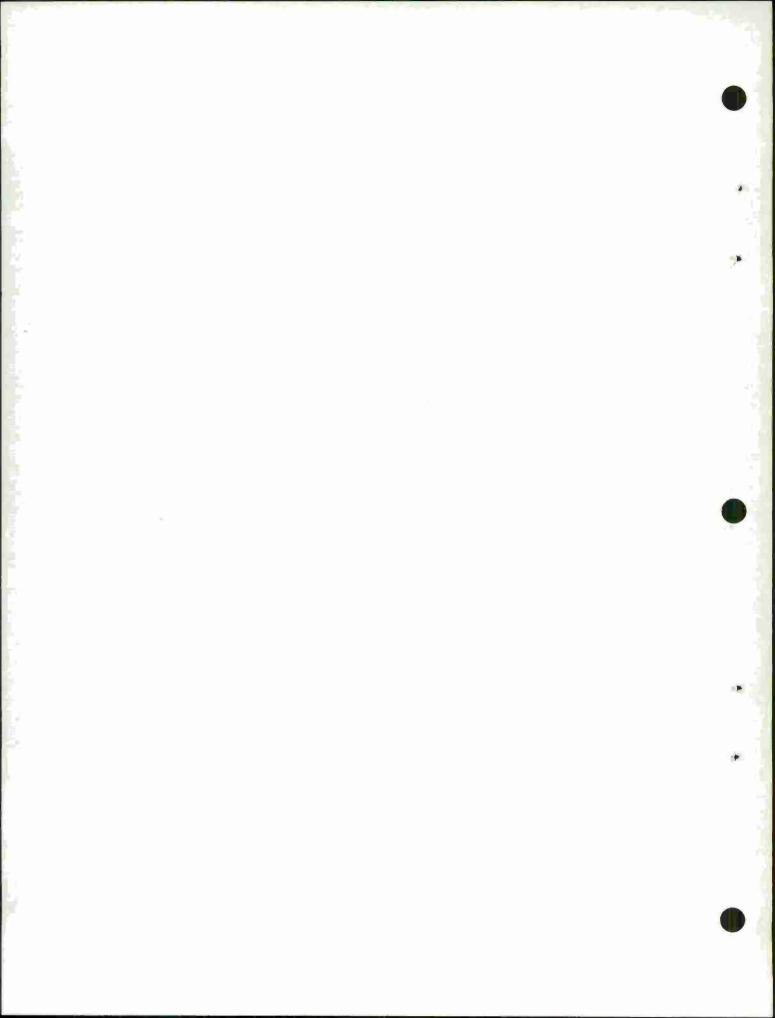
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INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 5% UTLS= 5%, LBR= 5%, TRANS= 5%

(COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

46									10-
1	IDENTIFICATION ::	SITE	1	COST		SIGMA		RISK(%)	2
9	CASE NO. 121 ::	NEWPORI	:	638.06	:	28.11		*****	0
					1	42.28	:	0.0	
		MC ALESTER	*	4	1	29.02		34.5	1
:	CASE NO. 122 ::	NEWPORT	:	618.59	:	28.07	1	****	2
8	(0/ 0/ 75) ::	HAWTHORNE	1	906.47	1	42.24	:	0 • 0	1
1	TEN YR PROD# 810::	MC ALESTER	•	635.31	1	28.98		33.9	•
	CASE NO. 123 ::	NEWPORT .	:	599.11		28.03	:	****	1
		HAWTHORNE			1	42.22	1	0.0	
	TEN YR PROD= 540:	MC ALESTER			1	28.95		33.4	1
-									10
0	CASE NO. 124 1:	NEWPORT	1	574.64		28.01	:	***	8
1	(0/ 0/ 25) ::	HAWTHORNE	1	864.86		42.21	1	0 • 0	1
1	TEN YR PROD= 270::	MC ALESTER		597.47		28.93	0	32.9	1
-									19
1	CASE NO. 125 ::	NEWPORT	:	560.16	1	28.01	:	***	0
2	(0/ 0/ 0) ::	HAWTHORNE	:	844.05	1	42.20	8	0.0	2
1	TEN YR PROD= 0::	MC ALESTER	:	578.55	1	28.93	0	32.4	\$
46									ěb.



RDX - HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 10% UTLS= 10%, LBR= 10%, TRANS= 10% (COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

: IDENTIFICATION ::	SITE	:	COST		SIGMA	:	RISK(%)	:
: CASE NO. 1 :: : (100/100/100) :: : TEN YR PROD= 3600::	NEWPORT HAWTHORNE MC ALESTER	:	953.13 1244.79 942.96	:	30.57 43.87 31.03	:	40.8	:
: CASE NO. 2 :: : (100/100/ 75) :: : TEN YR PROD= 3330::	NEWPORT HAWTHORNE MC ALESTER	:	732.73 1223.99 924.04	:	30.32 43.71 30.83	:	42. 0 0.0	:
: CASE NO. 3 :: : (100/100/ 50) :: : TEN YR PROD= 3060::	NEWPORT HAWTHURNE MC ALESTER	:	712.32 1203.18 905.12	* * * * * * * * * * * * * * * * * * * *	30.08 43.55 30,63		43.3 0.0	:
: CASE NO. 4 :: (100/100/ 25) : TEN YH PROD= 2790::	NEWPORT HAWTHORNE MC ALESTER	:	886.20	3	29.85 43.40 30.44	:	44 • 7 0 • 0	:
: CASE NO. 5 :: (100/100/ 0) TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	:	871.52 1161.57 867.28	:	29.64 43.26 30.27	:	46.0 0.0	:
: CASE NO. 6 :: : (100/ 75/100) :: : TEM YR PROD= 3330::		:	925.97 1217.10 917.78	:	30.24 43.65 30.76		42.5 0.0	:
: CASE NO. 7 :: : (100/ 75/ 75) :: : TEN YR PROD= 3060::	NEWPORT HAWTHORNE MC ALESTER	:	905.57 / 1196.29 898.86	:	30.00 43.50 30.57	:	43.8 0.0	
: CASE NO. 6 :: : (100/ 75/ 50) :: : TEN YR PROD= 2790::	NEWPORT HAWTHORNE MC ALESTER	:	85.17 1175.49 879.94	\$ \$ \$	29.78 43.35 30.38	•	45 • 1 0 • 0	
: CASE NO :: : (100/-75/ 25) :: : TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	:	364.76 1154.68 861.02	:	29.57 43.21 30.21	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	46.5 0.0	:
*: CASE NO. 10 :: : (100/ 75/ 0) :: : TEN YR PRUD= 2250::	NEWPORT HAWTHORNE MC ALESTER	:	044.36 1133.87 842.10	:	29.37 43.08 30.05	:	47.9 0.0	:

RDX - HMX SITE SELECTION
FOUR LINE CAPACITY
COST /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 10% UTLS= 10%, LBR= 10%, TRANS= 10%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION	:: SITE		CUST		SIGMA	:	RISK(%)
CASE NO. 11 (100/ 50/100) TEN YR PRUD= 306(:: HAWTHORNE		898.82 1189.41 892.59	:	29.93 43.45 30.50		44.2 0.0 ****
CASE NO. 12 (190/ 50/ 75) TEN YR PROD= 279	: NEWPORT : HAWTHORNE): MC ALESTER	:	878.41 1168.60 873.67	:	29.71 43.31 30.32	:	45.6 0.0
	:: NEWPORT :: HAWTHORNE):: MC ALESTER	:	858.01 1147.79 854.75	:	29.50 43.17 30.15	:	46.9 0.0
CASE NO. 14 (100/ 50/ 25) TEN YR PROD= 225	:: NEWPORT :: HAWTHORNE):: MC ALESTER	:	"37.61 1126.99 835.83	:	29.31 43.04 30.00	:	48.3 0.0
CASE NO. 15 (100/ 50/ 0) TEN YR PROD= 1980	:: HAWTHORNE	:	817.21 1106.18 816.91	:	29.13 42.93 29.85	:	49.7 0.0
	:: NEWPORT :: HAWTHORNE):: MC ALESTER	:	871.66 1161.71 867.41	:	29.64 43.26 30.27	:	46.0 0.0
CASE NO. 17 (100/ 25/ 75) TEN YR PROD= 252	: HAWTHORNE	:	851.26 1140.91 848.49	:	29.44 43.13 30.10	:	47.4 0.0
CASE NO. 10 (100/ 25/ 50) TEN YR PROD= 2250	: HAWTHORNE	:	030.05 1120.10 829.57	:	29.25 43.00 29.94	:	48.8 0.0
CASE NO. 17 (100/ 25/ 25) TEN YR PROD= 1980	:: NEWPORT :: HAWTHORNE):: MC ALESTER	:	810.45 1099.29 810.65	:	29.07 42.89 29.80	:	0.0
CASE NO. 20 (100/ 25/ 0) TEN YR PROD= 1710	:: NEWPORT :: HAWTHORNE):: MC ALESTER	:	790.05 1078.49 791.73	:	20.78 42.78 29.66	:	0.0

RDX - HMX SITE SELECTION FOUR LINE CAPACITY

COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST= 0%, MTL5= 10% UTLS= 10%, LBR= 10%, TRANS= 10%
(COST IN \$MILLION DISCOUNTED AT 10%)
(QUANLITIES IN MILLIONS OF LBS.)

#					4
: IDENTIFICATION ::	SITE	: COST	1 SIGMA	RISK(%)	:
: CASE NO. 21 :: : (100/ 0/100) :: : TEN YR PROD= 2520::	NEWPOR! HAWTHORNE MC ALESTER		: 29.37 : 43.09 : 30.05	47.8 0.0	:
: CASE NO. 22 :: : (100/ 0/ 75) :: : TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER	: 1113.21	- 29.19 : 42.96 : 29.90	49.2 0.0	:
: CASE NO. 23 :: : (100/ 0/ 50) :: : TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER	1092.41	: 29.02 : 42.85 : 29.75	0 · 0 49 • 3	:
1 CASE NO. 24 :: (100/ 0/25/ :: TEN YR PROD= 1710::	NEWPORT HAWTHORNE MC ALESTER	1 1071.60	28.46 42.75 29.62	0 • 0 47 • 9	:
: CASE NO. 25 :: : (100/ 0/ 0) :: : TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER		: 28./1 : 42.65 : 29.50	0 • 0 46 • 5	:
: CASE NO. 26 :: : (75/100/100/ : TEN YR PRUD= 3240::		1193,11	29.97 43.48 30.54	44.0 0.0	:
: CASE NO. 27 :: : (75/100/ 75) :: : TEN YR PROD= 2970::	NEWPORT HAWTHORNE MC ALESTER	: 1172.30	29.75 : 43.33 : 30.36	: 45.3 : 0.0 : ****	:
: CASE NO. 28 :: : (75/100/50) :: : TEN YR PROD= 2700::	NEWPORT HAWTHORNE MC ALESTER	: 1151.49	: 29.54 : 43.19 : 30.18	46.7 0.0	:
: CASE NO. 25 :: : (75/100/ 25) :: : TEN YR PROD= 2430::	NEWPORT HAWTHORNE MC ALESTER	1130.69	. 29.34 : 43.07 : 30.02	48.1 0.0	:
: CASE NO. 30 :: : (75/100/ 0) :: : TEN YR PROD= 2160::		: 1109.88	: 29.16 : 42.95 : 29.87	49.5 0.0	:

RDX - HMX SITE SELECTION FOUR LINE CAPACITY COSI /SENSITIVITY /KISK INCREASE IN NEWPORT AAP COSTS CONST= 0%, MTLS= 10% UTLS= 10%, LBR= 10%, TRANS= 10% (COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

: IDENTIFICATION ::	SITE	:	CUST	:	SIGMA	:	RISK(%)	t
: CASE NO. 31 : (75/75/100) : TEM YR PROD= 2970:	HAWTHORNE	:	875.29 1165.41 870.78		29.68 43.28 30.30		45.8	:
: CASE NO. 32 :: : (75/75/75) :: : TEN YR PROD= 2700:	NEWPORT HAWTHORNL MC ALESTER	:	854.89 1144.61 851.86	:	29.47 43.15 30.13	:	47.1 0.0 ****	
: CASE NO. 33 :: : (75/ 75/ 50) :: : TEN YR PROD= 2430:	NEWPORT HAWTHORNL MC ALESTER	:	034.49 1123.80 832.94	:	29.28 43.02 29.97	:	48.5 0.0 ****	
: CASE NO. 34 :: (75/ 75/ 25) :: TEN YR PROD= 2160:	NEWPORT HAWTHORNE MC ALESTER	:	814.08 1102.99 814.02	:	29.10 42.91 29.82	:	49.9 0.0	
: CASE NO. 35 :: : (75/75/0) :: : TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	:	793.68 1082.19 795.10	:	28.94 42.80 29.69	:	0 • 0 48 • 6	
: CASE NO. 36 :: : (75/50/100/:: : TEN YR PROD= 2700::	NEWPORT HAWTHORNE MC ALESTER	:	848.13 1137.72 845.59	:	29.41 43.11 30.08	:	47.6 0.0	:
: CASE NO. 3/ :: : (75/50/75) :: : TEN YR PROD= 2430::		:	821.13 1116.91 826.67	:	29.22 42.99 29.92	:	49.0 0.0	
: CASE NO. 30 :: 1 (75/50/50) :: TEN YR PROD= 2160:	NEWPORT HAWTHORNE MC ALESTER	:	807.33 1096.11 807.75	:	29.05 42.87 29.78	:	0 • 0 49 • 6	4
: CASE NO. 39 :: : (75/50/25) :: : TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	:	786.93 1075.30 788.83	:	28.88 42.77 29.65	:	0.0	:
: CASE NO. 40 :: 1 (75/50/0) :: TEN YR PROD= 1620:		:	/66.52 1054.49 769.91	:	28.14 42.67 29.52	:	0 • 0 46 • 7	: 4

FOUR LINE CAPACITY COSI /SENSITIVITY /MISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 10% UTLS= 10%, LBR= 10%, TRANS= 10% (COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

4									0
	IDENTIFICATION :	SITE	1	COST		SIGMA	0	RISA(%)	-
	CASE NO. 41 :: (75/ 25/100) :: TEN YR PROD= 2430::	NEWPOR! HAWTHORNE MC ALESTER			:	29.16 42.95 29.87	:	49.5 ().()	:
	CASE NO. 42 :: (75/ 25/ 75) :: TEN YR PROD= 2160::		:		:	28.99 42.84 29.73	:	0.0	:
	CASE NO. 43 :: (75/ 25/ 50) :: TEM YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	:	780.17 1068.41 782.57	1	20.73 42.73 29.60		0 • 0 4 7 • 7	:
	CASE NO. 44 :: (75/ 25/ 25) :: TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER		759.77 1047.61 763.65	:	28.69 42.64 29.48	:	0.0	:
	CASE NO. 45 :: (75/ 25/ 0) :: TEN YR PRON= 1350::	NEWPORT HAWTHORNE MC ALESTER	0	739.37 1026.80 744.73	:	28.56 42.56 29.38		0 • 0	:
	CASE NO. 46 :: (75/ 0/100) :: TEN YR PROD= 2160::	NEWPORT HAWTHORNL MC ALESTER	:	793.82 1082.33 795.23	:	28.94 42.80 29.69	•	0.0	:
	CASE NO. 47 :: (75/ 0/ 75) :: TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	I	773.42 1061.53 776.31	:	28.78 42.70 29.56		0 • 0 47 • 2	:
	CASE NO. 48 :: (75/ 0/ 50) :: TEN YR PROU= 1620::	NEWPORT HAWTHORNE MC ALESTER		753.02 1040.72 757.39		28.64 42.61 29.45	:	0.0 45.8	:
	CASE NO. 49 :: (75/ 0/ 25) :: TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	:	/32.61 1019.91 738.47	:	28.52 42.53 29.34	:	0 • 0 4 4 • 3	
	CASE NO. 50 :: 8 (75/ 0/ 0) :: 1 TEN YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER	0	712.21 999.11 719.55		2*.41 42.46 29.25		0.0	:
1									

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FOUR LINE CAPACITY COST /SENSITIVITY /RISK

COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS

CONST = 0%, MTLS = 10% UTLS = 10%, LBR = 10%, TRANS = 10%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION ::	CITE		CUST		SIGMA	:	RISK(%)	
CASE NO. 51 :: (50/100/100) :: TEN YR PROD= 2880::	NEWPOR! HAWTHORNE	:	851.76	:	29.44 43.13 30.10		47 • 3 0 • 0	• •
CASE NO. 54 :: (50/100/ 75) :: TEN YR PROD= 2610:		:	831.36 1120.62 830.04	:	29.25 43.01 29.95	:	48.7 0.0	
CASE NO. 53 :: (50/100/ 50) :: TEN YR PROD= 2340:	HAWTHORNE	:	810.96 1099.81 811.12	:	29.08 42.89 29.80	:	0.0	-
CASE NO. 54 :: (50/100/ 25) :: TEN YR PROD= 2070::		:	790.56 1079.00 792.20	:	28.91 42.78 29.67	:	0 • 0	
CASE NO. 55 :: (50/100/ 0) :: TEN YR PROD= 1800:	HAWTHORNE	:	770.15 1058.20 773.28	:	28.76 42.69 29.54	:	0 • 0 47 • 0	-
CASE NO. 56 :: (50/75/100) :: TEN YR PROD= 2610::	HAWTHORNE	:	124.61 1113.73 823.78		29.19 42.97 29.90	:	49.2 0.0	
CASE NO. 57 :: (50/ 75/ 75) :: TEM YR PROD= 2340::	HAWTHORNE	:	80 <mark>4</mark> .21 1092.92 804.86	:	29.02 42.85 29.76	:	0.0	
CASE NO. 58 :: (50/75/50) :: TEN YR PROD= 2070:	HAWTHORNE	:	783.80 1072.12 785.94	:	28.86 42.75 29.63	:	0 • 0 47 • 9	
CASE NO. 57 :: (50/ 75/ 25) :: TEN YR PROD= 1800:		:	763.40 1051.31 767.02	:	28.71 42.66 29.51	:	0 • 0 46 • 5	
CASE NO. 60 :: (50/75/0) :: TEN YR PROD= 1530:	HAWTHORNE	:	743.00 1030.50 748.10	:	28.58 42.57 29.40	:	0 • 0 45 • 1	

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RDX - HMX SITE SELECTION FOUR LINE CAPACITY

COST /SENSITIVITY /HISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 10% UTLS= 10%, LBR= 10%, TRANS= 10%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

49									
	IDENTIFICATION ::	SITE	-	CUST		SIGMA	1	KIZK (#)	
0 0	CASE NO. 61 :: (50/50/100) :: TEN YR PRON= 2340::	NEWPORT HAWTHORNE MC ALESTER		797.45 1086.03 798.60		28.97 42.82 29.71	:	0.0	•
0	CASE NO. 62 :: (50/50/75) :: TEM YR PROD= 2070::		:	777.05 1065.23 779.67	:	28.71 42.72 29.58		0 • 0 4 7 • 5	
	CASE NO. 63 :: (50/50/50) :: TEN YR PROD= 1800::	NEWPORT HAWTHORNE MC ALESTER		756.65 1044.42 760.75	:	28.6! 42.63 29.47		0 • 0 46 • 0	
	CASE NO. 64 :: (50/ 50/ 25) :: TEN YR PROD= 1530::	NEWPORT HAWTHORNE MC ALESTER	1	736.24 1023.61 741.83	:	28.54 42.54 29.36		0.0	
:	CASE NO. 65 :: (50/ 50/ 0) :: TEN YR PROD= 1260::	NEWPORT HAWTHORNE MC ALESTER		715.84 1002.81 722.91	:	28.42 42.47 29.27	:	0 • 0 43 • 1	
	CASE NO. 66 :: (50/25/100/:: TEN YR PROD= 2070::	NEWPORT HAWTHORNE MC ALESTER	-	770.30 1058.34 773.41	;	2d.76 42.69 29.54	:	0 • 0 4 7 • 0	
	CASE NO. 67 :: (50/ 25/ 75) TEN YR PROD= 1800::	NEWPORT HAWTHORNE MC ALESTER	0	749.89 1037.53 754.49	:	28.62 42.60 29.43	:	0 • 0 45 • 5	
	CASE NO. 68 :: (50/ 25/ 50) :: TEN YR PROD= 1530::	NEWPORT HAWTHORNE MC ALESTER	0	729.49 1016.73 735.57	:	28.50 42.52 29.33	:	0 • 0 4 4 • 1	
1	CASE NO. 69 :: (50/ 25/ 25) :: TEN YR PROD= 1260:		:	709.09 995.92 716.65		24.39 42.45 29.24	:	0.0	
0				688.68 975.11 697.73	:	28.29 42.38 29.16	:	0.0	3

RDX - HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /KISK

INCREASE IN NEWPORT AAP COSTS CONST= 0%, MTLS= 10% UTLS= 10%, LBR= 10%, TRANS= 10% (COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

: IDENTIFICATION ::	SITE	:	cust		SIGMA		RISK(%)	*
: CASE NO. 71 :: : (50/ 0/100) :: : TEM YR PROD= 1800::	NEWPOR! HAWTHORNE	:	743.14	:	28.58 42.57 29.40		0 • 0 45 •]	:
: CASE NO. 72 :: : (50/ 0/ 75) :: : TEN YR PROD= 1530::		:	722./4 1009.84 729.31		28.46 42.49 29.30		0 • 0 43 • 6	:
: CASE NO. 73 :: : (50/ 0/50) :: : TEN YR PROD= 1260::	NEWPORT HAWTHORNE MC ALESTER	:	702.33 989.03 710.39	:	20.36 42.42 29.21	:	0 · 0 42 · 2	:
: CASE NO. 74 :: : (50/ 0/25) :: : TEN YR PROD= 990::	NEWPORT HAWTHORNE MC ALESTER	:	681.93 968.23 691.47	:	28.26 42.37 29.14	:	**** 0 • 0 4 0 • 7	:
: CASE NO. 75 :: : (50/ 0/ 0) :: : TEN YR PROD= 720::	NEWPORT HAWTHORNE MC ALESTER	2	661.53 947.42 672.55	:	28.19 42.32 29.07	:	0 • 0 39 • 3	:
: CASE NO. 76 :: : (25/100/100) :: : TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	8	801.08 1089.74 801.96	:	29.00 42.84 29.74	:	0.0 49.7	:
: CASE NO. 7/ :: : (25/100/ 75) :: : TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER	:	780.68 1068.93 783.04	:	28.34 42.74 29.61	:	0 • 0 4 7 • 7	:
: CASE NO. 78 :: : (25/100/50) :: : TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER	:	760.28 1048.12 764.12	:	28.69 42.64 29.49	:	0.0 46.3	:
: CASE NO. 79 :: : (25/100/ 25) :: : TEN YR PROD= 1710::		:	739.87 1027.32 745.20	:	28.56 42.56 29.38	:	0.0	:
: CASE NO. 80 :: : (25/100/ 0) :: : TEM YR PROD= 1440::		•	719.47 1006.51 726.28	:	28.44 42.48 29.28		0.0	:

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FOUR LINE CAPACITY COST /SENSITIVITY /HISK

INCREASE IN NEWPORT AAP COSTS

CONST = 0%, MTLS = 10% UTLS = 10%, LBR = 10%, TRANS = 10%

(COST IN \$MILLION DISCUUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

*								
: IDENTIFICATION ::	SITE	1	CUST		SIGMA		RISK(%)	1
: CASE NO. 81 :: : (25/ 75/100) :: : TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER			:	28.79 42.70 29.57	:	0.0	:
: CASE NO. 82 :: : (25/ 75/ 75) :: : TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER		753.52 1041.24 757.86	:	28.65 42.61 29.45	:	0.0	:
: CASE NO. 83 :: : (25/ 75/ 50) :: : TEN YR PROD= 1710::	NEWPORT HAWTHORNE MC ALESTER		733.12 1020.43 738.94	:	28,52 42,53 29,35		0.0	:
: CASE NO. 84 :: : (25/ 75/ 25) :: : TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER	1	999.62	:	28.41 42.46 29.25	:	0.0	:
: CASE NO. 85 :: : (25/ 75/ 0) :: : TEM YR PROD= 1170::	NEWPORT HAWTHORNE MC ALESTER	:	692.31 978.82 701.10	:	28.31 42.39 29.17	:	0 • 0 • 41 • 4	:
: CASE NO. 86 :: : (25/ 50/100) :: : TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER		746.77 1034.35 751.60	:	28.60 42.58 29.42	:	0 · 0 45 · 3	:
: CASE NO. 87 :: : (25/ 50/ 75) :: : TEN YR PROD= 1710::	NEWPORT HAWTHORNE MC ALESTER	:	726.37 1013.54 732.68	:	28.48 42.51 29.32	:	0.0	:
: CASE NO. 8" :: : (25/ 50/ 50) :: : TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER	ī	105.96 992.74 713.75	:	28.3/ 42.44 29.23	:	0.0	:
: CASE NO. 89 :: : (25/50/25) :: : TEN YR PROD= 1170::	NEWPORT HAWTHORNE MC ALESTER		685.56 971.93 694.83	:	28.28 42.38 29.15	:	0.0	:
: CASE NO. 90 :: : (25/50/0) :: : TEN YR PROD= 900:	NEWPORT HAWTHORNE MC ALESTER	:	665.16 951.12 675.91	:	20.20 42.32 29.08	:	0.0	:

RDX - HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /RISK

COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 10% UTLS= 10%, LBR= 10%, TRANS= 10% (COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION ::	SITE	•	COST	:	SIGMA		RISK(%)	
CASE NO. 91 :: (25/25/100) :: TEN YR PROD= 1710::	NEWPORT HAWTHORNE MC ALESTER		719.61 1006.66 726.41	:	28.44 42.48 29.28	:	0.0	• •
CASE NO. 92 :: (25/ 25/ 75) :: TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER	:	699.21 985.85 707.49	:	28.34 42.42 29.20	:	0 • 0 41 • 9	
CASE NO. 93 :: (25/25/50) :: TEN YR PROD= 1170::	NEWPORT HAWTHORNE MC ALESTER	:	678.81 965.04 688.57	:	28.25 42.36 29.13	:	0 • 0 4 0 • 5	
CASE NO. 94 :: (25/ 25/ 25) :: TEN YR PROD= 900::	NEWPORT HAWTHORNL MC ALESTER	:	658.40 944.24 669.65	:	28.17 42.31 29.06	:	0.0	
CASE NO. 95 :: (25/ 25/ 0) :: TEN YR PROD= 630::	NEWPORT HAWTHORNE MC ALESIER	:	638.00 923.43 650.73	:	20.11 42.27 29.01	:	0 · 0 37 · 6	
CASE NO. 90 :: (25/ 0/100) :: TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER	•	692.46 978.96 701.23	:	28.31 42.40 29.17		0 • 0 41 • 5	
CASE NO. 97 :: (25/ 0/ 75) :: TEN YR PROD= 1170::	NEWPORT HAWTHORNE MC ALESTER	:	672.05 958.16 682.31	:	28.22 42.34 29.10		0 • 0 4 0 • 0	
CASE NO. 98 :: (25/ 0/50) :: TEN YR PROD= 900::	NEWPORT HAWTHORNE MC ALESTER	:	651.65 937.35 663.39	:	28.15 42.29 29.05		0.0 38.6	
CASE NO. 99 :: (.25/ 0/ 25) :: TEN YR PROD= 630::	NEWPORT HAWTHORNE MC ALESTER	:	631.25 916.54 644.47		28.10 42.26 29.00	:	0.0	
CASE NO. 100 :: (25/ 0/ 0) :: TEN YR PROD= 360:	NEWPORT HAWTHORNL MC ALESTER	:	610.84 895.74 625.55	:	28.05 42.23 28.96	:	0.0	-

DATE: 16 JAN 75

RDX - HMX SITE SELECTION FOUR LINE CAPACITY COSI /SENSITIVITY /KISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 10% UTLS= 10%, LBR= 10%, TRANS= 10% (COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

*								
: IDFNTIFICATION ::	SITE	:	COST	:	SIGMA		RISK(%)	
: CASE NO. 101 :: : (0/100/100) :: : TEN YR PRO()= 2160::	NEWPORT HAWTHORNE	:	750.40 1038.05 754.96	:	28.63 42.60 29.43	:	0.0	
: CASE NO. 102 :: : (0/100/ 75) :: : TEN YR PROD= 1890::		:	730.00 1017.24 736.04	:	28.50 42.52 29.33	:	0.0	
: CASE NO. 103 :: : (0/100/ 50) :: : TEN YR PROD= 1620:	NEWPORT HAWTHORNE MC ALESTER	:	707.59 996.44 717.12	:	28.39 42.45 29.24	•	0.0	
: CASE NO. 104 :: : (0/100/ 25/ :: : TEN YR PRON= 1350:	NEWPORT HAWTHORNE MC ALESTER	:	689.19 975.63 698.20	:	28.29 42.39 29.16	:	0.0	
: CASE NO. 105 :: : (0/100/ 0) :: : TEN YR PROD= 1080:	HAWTHORNE	:	668.79 954.83 679.28	:	28.21 42.33 29.09		0.0	
: CASE NO. 100 :: : (0/ 75/100) :: : TEN YR PROD= 1890:		:	723.24 1010.36 729.78	:	2d.4b 42.49 29.30		0.0	
: CASE NO. 107 :: : (0/ 75/ 75) :: : TEN YR PROD= 1620:	NEWPORT HAWTHORNE MC ALESTER	:	702.84 989.55 710.86	:	28.36 42.43 29.21	:	0 • 0 42 • 2	3
: CASE NO. 100 :: : (0/ 75/ 50) :: : TEN YR PROD= 1350:	NEWPORT HAWTHORNE MC ALESTER	:	682.44 968.74 691.94	:	28.2/ 42.37 29.14	:	0 • 0	:
: CASE NO. 107 :: : (0/ 75/ 25) :: : TEN YR PPOD= 1080::	NEWPORT HAWTHORNE MC ALESTER	:	662.03 947.94 673.02	:	28.19 42.32 29.07	:	0.0	:
: CASE NO. 110 :: : (0/ 75/ 0) :: : TEM YR PROD= 810:	NEWPORT HAWTHORNE MC ALESTER	:	641.63 927.13 654.10	:	28.12 42.28 29.02	:	0.0	:

RDX - HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /RISK INCREASE IN NEWPORT AAP COSTS CONST= 0%, MTLS= 10% UTLS= 10%, LBR= 10%, TRANS= 10% (COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

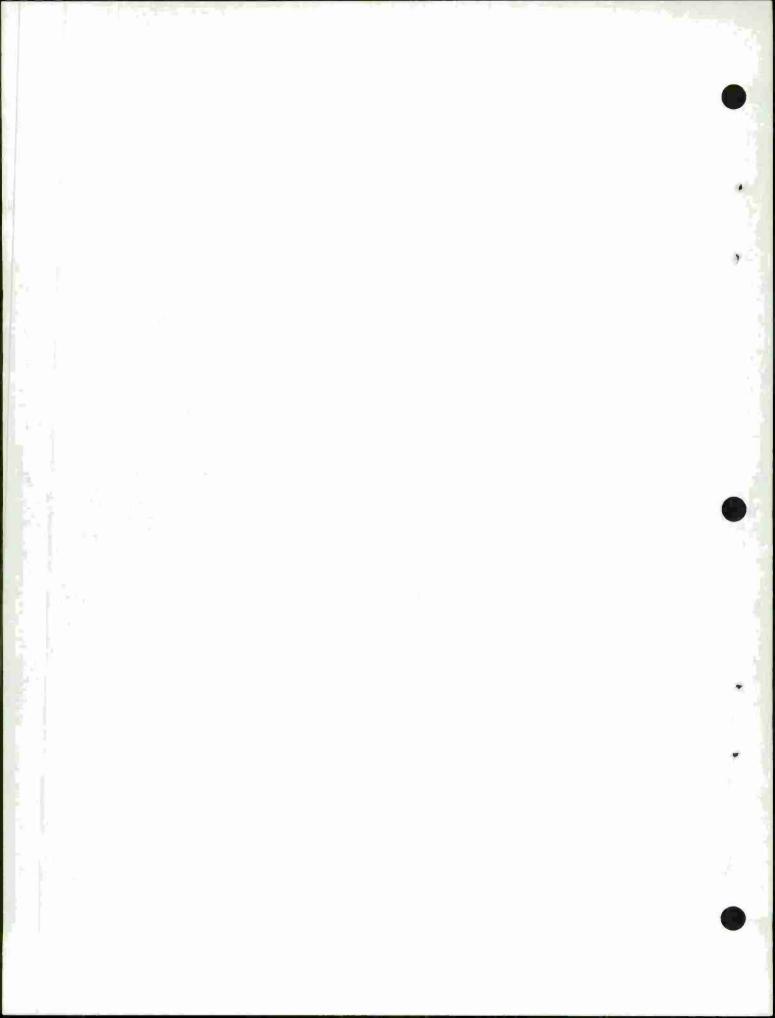
: IDENTIFICATION ::	CITE	;	COST		SIGMA		RISK(%)	
CASE NO. 111 :: (0/ 50/100) :: TEM YR PROD= 1620:	NEWPOR! HAWTHORNE	:	696.09 982.66 704.60	:	28.33 42.41 29.19	• • • •	0.0	
: CASE NO. 112 :: : (0/ 50/ 75) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	:	675.68 961.86 085.68	:	28.24 42.35 29.12	:	0 • 0	:
: CASE NO. 113 :: : (0/ 50/ 50) :: : TEN YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER	:	655.28 941.05 666.75	:	28.16 42.30 29.05	:	0 • 0 38 • 8	:
: CASE NO. 114 :: : (0/ 50/ 25) :: : TEM YR PROD= 810::	NEWPORT HAWTHORNE MC ALESTER	:	634.88 920.24 647.83	:	20.10 42.26 29.01	:	0.0	
: CASE NO. 115 :: : (0/ 50/ 0) :: : TEN YR PROD= 540::	NEWPORT HAWTHORNE MC ALESTER	:	614.47 899.44 628.91	:	28.06 42.24 28.97		0.0	
: CASE NO. 116 :: : (0/ 25/100) :: : TEN YR PRUD= 1350::	NEWPORT HAWTHORNE MC ALESTER	:	668.93 954.97 679.41	:	28.21 42.33 29.09		0.0	:
: CASE NO. 117 :: : (0/ 25/ 75) :: : TEN YR PRUD= 1080::	NEWPORT HAWTHORNE MC ALESTER	:	648.53 934.16 660.49		28.14 42.29 29.04	:	0.0 38.4	:
: CASE NO. 115 :: : (0/ 25/ 50) :: : TEN YR PROD= 810::	NEWPORT HAWTHORNE MC ALESTER		628.12 913.36 641.57	:	20.09 42.25 28.99		0.0	:
: CASE NO. 119 :: : (0/ 25/ 25) :: : TEN YR PROD= 540::	NEWPORT HAWTHORNE MC ALESTER	:	60/.72 892.55 622.65	:	28.05 42.23 28.96		0.0	:
: CASE NO. 120 :: : (0/ 25/ 0) :: : TEM YR PROD= 270::	NEWPORT HAWTHORNE MC ALESTER	:	58/.32 871.74 603.73	:	20.02 42.21 28.94		0.0 34.2	:

RDX - HMX SITE SELECTION
FOUR LINE CAPACITY
COSI /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTL5= 10% UTLS= 10%, LBR= 10%, TRANS= 10% (COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

V									#
: IDENTIFICATION	3 3	SITE	1	COST	:	SIGMA		RISK(%)	0
: CASE NO. 121		NEWPORT	:	641.77		28.12		*****	
: (0/ 0/100)				927.28		42.28	:	0 • 0	1
: TEN YR PROD= 1				654.23	:	29.02	•	37.9	:
: CASE NO. 122	::	NEWPORT :	:	621.37	1	28.07		*****	*
: (0/ 0/ 75)				906.47	2	42.24		0.0	
: TEN YR PROD=				635.31	:	28.98	:	36.5	:
: CASE NO. 123	::	NEWPORT	:	600.97	:	28.04	:	****	0
: (0/ 0/ 50)	2. 2	HAWTHORNE	1	885.66	:	42.22	:	0.0	
: TEM YR PROD=	540::	MC ALESTER	:	616.39	:	28.95	:	35.1	:
: CASE NO. 124	::	NEWPORT	:	580.56	:	20.02	:	****	*
1 (0/ 0/ 25)						42.21	:	0 • 0	:
: TEN YR PROUS				597.47		28.93	1	33.7	
: CASE NO. 125	::	NEWPORT		560.16		28.01	:	****	+
: (0/ 0/ 0)				844.05		42.20		0 • 0	
: TEN YR PROD=				578.55	:	28.93	1	32.4	



RDX - HMX SITE SELECTION FUUR LINE CAPACITY . COST /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS
CONST= 0%, MTLS= 5% UTLS= 0%, LBR= 0%, TRANS= 0% (COST IN SMILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

	(MONIA ! I !		THE WILL					- 44
			CUST	:	SIGMA	:	RISK(%)	1
: CASE NO. 1 :: (100/100/100) ::	NEWPORT HAWTHORNE	:	927.28 1244.79 942.96	:	30.30 43.87 31.03	:	0.0	:
: CASE NO. 2 :1	NEWPORT.	:	908.22	:	30.08	:	****	
			924.04	:	30.83	;	35.7	:
: (100/100/ 50) :: : TEN YR PROD= 3060::			887.16 1203.18 905.12	•	29.86 43.55 30.63		0.0	:
: CASE NO. 4 :: : (100/100/ 25) ::			370.10 1182.37 886.20	:	29.66 43.40 30.44	:	0 · 0 35 · 2	:
	HAWTHORNE	:	851.04 1161.57 867.28	:	29.47 43.26 30.27	:	0.0	:
: (100/ 75/100/ ::	HAWTHORNE		901.91 121/.10 91/.78	:	30.01 43.65 30.76	0 0 0 0	0.0	:
: (100/ 75/ 75) ::	HAWTHORNE		782.85 1196.29 898.86	:	29.80 43.50 30.57	:	0 • 0 35 • 4	:
: (100/ 75/ 50) ::	HAWTHORNE	:	863.79 1175.49 879.94	:	29.60 43.35 30.38	:	0.0 35.2	:
			044.73 1154.68 861.02	:	29.41 43.21 30.21	:	0.0	:
	HAWTHORNE	1	825.67 1133.87 842.10	:	29,23 43.08 30,05	:	0.0	:
	CASE NO. 1 :: (100/100/100) :TEN YR PROD= 3600:: CASE NO. 2 :: (100/100/75) :TEN YR PROD= 3330:: CASE NO. 3 :: (100/100/50) :TEN YR PROD= 3060:: CASE NO. 4 :: (100/100/50) :TEN YR PROD= 2790:: CASE NO. 5 :: (100/100/05) :TEN YR PROD= 2790:: CASE NO. 6 :: (100/100/05) :TEN YR PROD= 2520:: CASE NO. 6 :: (100/75/100) :TEN YR PROD= 3330:: CASE NO. 75/100/05 :TEN YR PROD= 3060:: CASE NO. 75/100/05 :TEN YR PROD= 3060:: CASE NO. 8 :: (100/75/50) :TEN YR PROD= 2790:: CASE NO. 9 :: (100/75/50) :TEN YR PROD= 2520:: CASE NO. 9 :: (100/75/25) :TEN YR PROD= 2520:: CASE NO. 10 :: (100/75/25) :TEN YR PROD= 2520::	CASE NO. 1 :: NEWPORT (100/100/100) :: HAWTHORNE TEN YR PROD= 3600: MC ALESTER CASE NO. 2 :: NEWPORT (100/100/ 75) :: HAWTHORNE TEN YR PROD= 3330: MC ALESTER CASE NO. 3 :: NEWPORT (100/100/ 50) :: HAWTHORNE TEN YR PROD= 3060: MC ALESTER CASE NO. 4 :: NEWPORT (100/100/ 25) :: HAWTHORNE TEN YR PROD= 2790: MC ALESTER CASE NO. 5 : NEWPORT (100/100/ 0) :: HAWTHORNE CASE NO. 6 :: NEWPORT (100/100/ 0) :: HAWTHORNE CASE NO. 6 :: NEWPORT (100/ 75/100) :: HAWTHORNE CASE NO. 7 : NEWPORT (100/ 75/ 75) :: HAWTHORNE CASE NO. 7 : NEWPORT (100/ 75/ 50) :: HAWTHORNE CASE NO. 8 :: NEWPORT HAWTHORNE CASE NO. 9 :: NEWPORT HAWTHORNE CASE NO. 10 :: NEWPORT HAWTHORNE	CASE NO. 1 : NEWPORT : (100/100/100) : HAWTHORNE : TEN YR PROD= 3600: MC ALESTER : CASE NO. 2 : NEWPORT : (100/100/75) : HAWTHORNE : TEN YR PROD= 3330: MC ALESTER : CASE NO. 3 : NEWPORT : (100/100/50) : HAWTHORNE : TEN YR PROD= 3060: MC ALESTER : CASE NO. 4 : NEWPORT : (100/100/25) : HAWTHORNE : TEN YR PROD= 2790: MC ALESTER : CASE NO. 5 : NEWPORT : (100/100/0) : HAWTHORNE : TEN YR PROD= 2520: MC ALESTER : CASE NO. 5 : NEWPORT : HAWTHORNE : (100/100/0) : HAWTHORNE : TEN YR PROD= 3330: MC ALESTER : CASE NO. 6 : NEWPORT : (100/75/100) : HAWTHORNE : TEN YR PROD= 3330: MC ALESTER : CASE NO. 7 : NEWPORT : (100/75/75) : HAWTHORNE : TEN YR PROD= 3060: MC ALESTER : CASE NO. 8 : NEWPORT : (100/75/50) : HAWTHORNE : TEN YR PROD= 2790: MC ALESTER : CASE NO. 9 : NEWPORT : (100/75/25) : HAWTHORNE : TEN YR PROD= 2790: MC ALESTER : CASE NO. 9 : NEWPORT : (100/75/25) : HAWTHORNE : TEN YR PROD= 2520: MC ALESTER : CASE NO. 9 : NEWPORT : (100/75/25) : HAWTHORNE : TEN YR PROD= 2520: MC ALESTER : CASE NO. 10 : NEWPORT : HAWTHORNE : TEN YR PROD= 2520: MC ALESTER : CASE NO. 10 : NEWPORT : HAWTHORNE : TEN YR PROD= 2520: MC ALESTER :	: CASE NO. 1 :: NEWPORT : 927.28 : (100/100/100) :: HAWTHORNE : 1244.79 : TEN YR PROD= 3600: MC ALESTER : 942.96 : CASE NO. 2 :: NEWPORT : 908.22 : (100/100/75) :: HAWTHORNE : 1223.99 : TEN YR PROD= 3330: MC ALESTER : 924.04 : CASE NO. 3 :: NEWPORT : 889.16 : (100/100/50) :: HAWTHORNE : 1203.18 : (100/100/50) :: HAWTHORNE : 1203.18 : TEN YR PROD= 3060: MC ALESTER : 905.12 : CASE NO. 4 :: NEWPORT : 970.10 : (100/100/25) :: HAWTHORNE : 1182.37 : TEN YR PROD= 2790: MC ALESTER : 886.20 : CASE NO. 5 :: NEWPORT : 910.10 : (100/100/0) :: HAWTHORNE : 1161.57 : TEN YR PROD= 2520: MC ALESTER : 867.28 : CASE NO. 6 :: NEWPORT : 901.91 : (100/75/100) :: HAWTHORNE : 1217.10 : TEN YR PROD= 3330: MC ALESTER : 917.78 : CASE NO. 7 :: NEWPORT : 982.85 : (100/75/75) :: HAWTHORNE : 1196.29 : TEN YR PROD= 3060: MC ALESTER : 898.86 : CASE NO. 8 :: NEWPORT : 982.85 : (100/75/50) :: HAWTHORNE : 1175.49 : (100/75/25) :: HAWTHORNE : 1175.49 : CASE NO. 9 :: NEWPORT : 844.73 : (100/75/25) :: HAWTHORNE : 1154.68 : CASE NO. 9 :: NEWPORT : 844.73 : (100/75/25) :: HAWTHORNE : 1154.68 : CASE NO. 9 :: NEWPORT : 844.73 : (100/75/25) :: HAWTHORNE : 1154.68 : CASE NO. 9 :: NEWPORT : 825.67 : CASE NO. 10 :: NEWPORT : 825.67	CASE NO. NEWPORT	CASE NO. 1 :: NEWPORT : 927.28 : 30.30 : (100/100/100) :: HAWTHORNE : 1244.79 : 43.87 : TEN YR PRODE 3600:: MC ALESTER : 942.96 : 31.03 : CASE NO. 2 :: NEWPORT : 908.22 : 30.08 : (100/100/75) :: HAWTHORNE : 1223.99 : 43.71 : TEN YR PRODE 3330:: MC ALESTER : 924.04 : 30.83 : CASE NO. 3 :: NEWPORT : 889.16 : 29.86 : (100/100/50) :: HAWTHORNE : 1203.18 : 43.55 : TEN YR PRODE 3060:: MC ALESTER : 905.12 : 30.63 : CASE NO. 4 :: NEWPORT : 905.12 : 30.63 : CASE NO. 4 :: NEWPORT : 1323.7 : 43.40 : (100/100/25) :: HAWTHORNE : 1182.37 : 43.40 : TEN YR PRODE 2790:: MC ALESTER : 886.20 : 30.44 : CASE NO. 5 :: NEWPORT : 951.04 : 29.47 : TEN YR PRODE 2520:: MC ALESTER : 867.28 : 30.27 : CASE NO. 6 :: NEWPORT : 901.91 : 30.01 : (100/75/100/0) :: HAWTHORNE : 121/.10 : 43.65 : TEN YR PRODE 3330:: MC ALESTER : 917.78 : 30.76 : CASE NO. 7 :: NEWPORT : 901.91 : 30.01 : (100/75/100/0) :: HAWTHORNE : 121/.10 : 43.65 : TEN YR PRODE 3330:: MC ALESTER : 917.78 : 30.76 : CASE NO. 7 :: NEWPORT : 91.91 : 30.01 : (100/75/100/0) :: HAWTHORNE : 1190.29 : 43.50 : TEN YR PRODE 3060:: MC ALESTER : 917.78 : 30.76 : TEN YR PRODE 3060:: MC ALESTER : 898.86 : 30.57 : TEN YR PRODE 3060:: MC ALESTER : 898.86 : 30.57 : TEN YR PRODE 2790:: MC ALESTER : 899.86 : 30.57 : TEN YR PRODE 2790:: MC ALESTER : 879.94 : 30.38 : CASE NO. 7 : NEWPORT : 863.79 : 29.60 : (100/75/50) :: HAWTHORNE : 1175.49 : 43.35 : TEN YR PRODE 2790:: MC ALESTER : 879.94 : 30.38 : CASE NO. 7 : NEWPORT : 344.73 : 29.60 : TEN YR PRODE 2520:: MC ALESTER : 879.94 : 30.38 : CASE NO. 7 : NEWPORT : 344.73 : 29.41 : TEN YR PRODE 2520:: MC ALESTER : 861.02 : 30.21 : TEN YR PRODE 2520:: MC ALESTER : 861.02 : 30.21 : TEN YR PRODE 2520:: MC ALESTER : 861.02 : 30.21 : TEN YR PRODE 2520:: MC ALESTER : 861.02 : 30.21 : TEN YR PRODE 2520:: MC ALESTER : 861.02 : 30.21 : TEN YR PRODE 2520:: MC ALESTER : 861.02 : 30.21 : TEN YR PRODE 2520:: MC ALESTER : 861.02 : 30.21 : TEN YR PRODE 2520:: MC ALESTER : 861.02 : 30.21 : TEN YR PRODE 2520:: MC ALESTER : 861.02 : 30.21 : TEN YR PRODE 2520:: MC ALESTER : 8	: CASE NO. 1 :: NEWPORT : 921.28 : 30.30 : (100/100/100) :: HAWTHORNE : 1244.79 : 43.87 : TEN YR PROD= 3600: MC ALESTER : 942.96 : 31.03 : (2.4	: CASE NO. 1 :! NEWPORT : 92/.28 : 30.30 : **** : (100/100/100) :: HAWTHORNE : 124*.79 : 43.87 : 0.0 : TEN YR PRODE 3600:: MC ALESTER : 942.96 : 31.03 : 35.9 : CASE NO. 2 :! NEWPORT : 908.22 : 30.08 : **** : (100/100/75) :: HAWTHORNE : 1223.99 : 43.71 : 0.0 : TEN YR PRODE 3330:: MC ALESTER : 92*.04 : 30.83 : 35.7 : CASE NO. 3 :: NEWPORT : 88*.16 : 29.86 : **** : (100/100/50) :: HAWTHORNE : 1203.18 : 43.55 : 0.0 : TEN YR PRODE 3060:: MC ALESTER : 900.12 : 30.63 : 35.5 : CASE NO. 4 :: NEWPORT : 370.10 : 29.66 : **** : (100/100/25) :: HAWTHORNE : 1182.37 : 43.40 : 0.0 : TEN YR PRODE 2790:: MC ALESTER : 886.20 : 30.44 : 35.2 : CASE NO. 5 :: NEWPORT : 886.20 : 30.44 : 35.2 : CASE NO. 6 :: NEWPORT : 867.28 : 30.27 : 35.0 : CASE NO. 6 :: NEWPORT : 901.91 : 30.01 : **** (100/100/0) :: HAWTHORNE : 1161.57 : 43.26 : 0.0 : TEN YR PRODE 2520:: MC ALESTER : 867.28 : 30.27 : 35.0 : CASE NO. 6 :: NEWPORT : 91.91 : 30.01 : **** (100/75/100) :: HAWTHORNE : 1161.57 : 43.26 : 0.0 : TEN YR PRODE 3330:: MC ALESTER : 867.28 : 30.27 : 35.0 : CASE NO. 6 :: NEWPORT : 91.91 : 30.01 : **** : (100/75/100) :: HAWTHORNE : 117.10 : 43.65 : 0.0 : TEN YR PRODE 3330:: MC ALESTER : 867.29 : 43.50 : 0.0 : TEN YR PRODE 3330:: MC ALESTER : 867.29 : 43.50 : 0.0 : TEN YR PRODE 3060:: MC ALESTER : 879.94 : 30.38 : 35.2 : CASE NO. 7 : NEWPORT : 782.85 : 29.20 : **** : (100/75/25) :: HAWTHORNE : 1175.49 : 43.35 : 0.0 : TEN YR PRODE 3060:: MC ALESTER : 879.94 : 30.38 : 35.2 : CASE NO. 7 : NEWPORT : 863.79 : 29.60 : **** : (100/75/25) :: HAWTHORNE : 1175.49 : 43.35 : 0.0 : TEM YR PRODE 2520:: MC ALESTER : 879.94 : 30.38 : 35.2 : CASE NO. 7 : NEWPORT : 644.73 : 29.41 : **** : (100/75/25) :: HAWTHORNE : 1156.68 : 43.21 : 0.0 : TEM YR PRODE 2520:: MC ALESTER : 861.02 : 30.21 : 35.0 : CASE NO. 7 : NEWPORT : 644.73 : 29.41 : **** : TEM YR PRODE 2520:: MC ALESTER : 861.02 : 30.21 : 35.0 : CASE NO. 9 : NEWPORT : 644.73 : 29.41 : **** : TEM YR PRODE 2520:: MC ALESTER : 861.02 : 30.21 : 35.0

RDX - HMX SITE SELECTION FUUR LINE CAPACITY COST /SENSITIVITY /HISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 5% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION ::	SITE	:	COST		SIGMA	1	HISK (%)	
CASE NO. 11 :: (100/ 50/100) :: TEN YR PROD= 3060::	HAWTHORNE	:	876.54 1189.41 892.59	:	29.73 43.45 30,50	:	0.0	• • •
CASE NO. 12 :: (100/ 50/ 75) :: TEN YR PROD= 2790:	HAWTHORNE	:	857.48 1168.60 873.67	:	29.53 43.31 30.32		0 • 0 35 • 1	
CASE NO. 13 :: (100/ 50/ 50) TEM YR PROD= 2520:		:	838.42 1147.79 854.75	:	29.35 43.17 30.15	:	0.0	
CASE NO. 14 :: (100/ 50/ 25) :: TEN YR PROD= 2250:	HAWTHORNE	:	819.36 1126.99 835.83	:	29.17 43.04 30.00		0 • 0 34 • 7	
CASE NO. 15 :: (100/ 50/ 0) :: TEN YR PPOD= 1980:	-	:	800.30 1106.18 816.91		29.01 42.93 29.85	:	0 • 0 34 • 5	
CASE NO. 16 :: (100/ 25/100) :: TEN YR PROD= 2790:	HAWTHORNE	:	851.17 1161.71 867.41	:	29.47 43.26 30.27	:	**** 0 • 0 35 • 0	
CASE NO. 17 :: (1n0/ 25/ 75/ TEN YR PROD= 2520::		:	832.11 1140.91 848.49	:	29.29 43.13 30.10	:	0 • 0 34 • 8	
CASE NO. 18 :: (100/ 25/ 50) :: TEN YR PROD= 2250::		:	813.05 1120.10 829.57	:	29.12 43.00 29.94	:	0 • 0 34 • 6	
CASE NO. 17 :: (100/ 25/ 25) :: TEN YR PRUD= 1980::	HAWTHORNE	:	793.49 1099.29 810.65	:	25.96 42.89 29.80	:	**** 0 • 0 3 4 • 4	
CASE NO. 20 :: (100/25/0) :: TEN YR PROD= 1710::	HAWTHORNE	:	774.93 1078.49 791.73	:	28.81 42.78 29.66	:	0.0	

RDX - HMX SITE SELECTION FUUR LINE CAPACITY COST /SENSITIVITY /HISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTL5= 5% UTL5= 0%, LBR= 0%, TRANS= U%

(COST IN SMILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION ::	SITE	0	COST		SIGMA		RISK (%)	0
				:	29.23 43.09 30.05	:	0 • 0	:
(100/ 0/ 75) ::			806.74 1113.21 823.31	:	29.07 42.96 29.90		0 • 0 34 • 6	:
(100/ 0/ 50) ::	HAWTHORNE		787.68 1092.41 804.39	•	28.91 42.85 29.75	:	0.0	:
(100/ 0/ 25) ::	HAWTHORNE		768.62 1071.60 785.47	*	28.77 42.75 29.62	•	0.0	:
(100/ 0/ 0) ::	HAWTHORNE	2	749.56 1050.79 766.55	0 0 0	28.64 42.65 29.50	:	0 • 0 34 • 0	
(75/100/100) ::	HAWTHORNE	:	879.93 1193.11 895.96	:	29.76 43.48 30.54		0.0	:
	HAWTHORNE		860.87 1172.30 877.04	:	29.57 43.33 30.36	:	0.0	:
(75/100/ 50) ::	HAWTHORNE	:	841.81 1151.49 858.12	:	29.38 43.19 30.18		0.0	:
	HAWTHORNE		822./5 1130.69 839.20	:	29.20 43.07 30.02		0.0	:
			803.69 1109.88 820.28	:	29.04 42.95 29.87	:	0.0	:
	CASE NO. 21 (100/ 0/100) TEN YR PROD= 2520: CASE NO. 22 (100/ 0/75) TEN YR PROD= 2250: CASE NO. 23 (100/ 0/50) TEN YR PROD= 1980: CASE NO. 24 (100/ 0/25) TEN YR PROD= 1710: CASE NO. 25 (100/ 0/0) TEN YR PROD= 1710: CASE NO. 25 (100/ 0/0) TEN YR PROD= 1440: CASE NO. 26 (75/100/100) TEN YR PROD= 3240: CASE NO. 27 (75/100/ 75/ TEN YR PROD= 2970: CASE NO. 28 (75/100/ 50) TEN YR PROD= 2700: CASE NO. 29 (75/100/ 25) TEN YR PROD= 2430: CASE NO. 29 (75/100/ 25) TEN YR PROD= 2430: CASE NO. 30 (75/100/ 0)	CASE NO. 21 :: NEWPORT (100/ 0/100) :: HAWTHORNE TEN YR PROD= 2520: MC ALESTER CASE NO. 22 :: NEWPORT (100/ 0/75) :: HAWTHORNE TEN YR PROD= 2250: MC ALESTER CASE NO. 23 :: NEWPORT (100/ 0/50) :: HAWTHORNE TEN YR PROD= 1980: MC ALESTER CASE NO. 24 :: NEWPORT (100/ 0/25) :: HAWTHORNE TEN YR PROD= 1710: MC ALESTER CASE NO. 25 :: NEWPORT (100/ 0/25) :: HAWTHORNE TEN YR PROD= 1710: MC ALESTER CASE NO. 25 :: NEWPORT (100/ 0/25) :: HAWTHORNE TEN YR PROD= 1440: MC ALESTER CASE NO. 26 :: NEWPORT (75/100/100) :: HAWTHORNE MC ALESTER CASE NO. 26 :: NEWPORT HAWTHORNE MC ALESTER CASE NO. 27 :: NEWPORT HAWTHORNE MC ALESTER CASE NO. 28 :: NEWPORT HAWTHORNE MC ALESTER CASE NO. 29 :: NEWPORT HAWTHORNE MC ALESTER	CASE NO. 21 :: NEWPORT : (100 / 0 / 100) :: HAWTHORNE : TEN YR PROD= 2520: MC ALESTER : CASE NO. 22 :: NEWPORT : (100 / 0 / 75) :: HAWTHORNE : TEN YR PROD= 2250: MC ALESTER : CASE NO. 23 :: NEWPORT : (100 / 0 / 50) :: HAWTHORNE : TEN YR PROD= 1980: MC ALESTER : CASE NO. 24 :: NEWPORT : (100 / 0 / 25) :: HAWTHORNE : TEN YR PROD= 1710: MC ALESTER : CASE NO. 25 :: NEWPORT : (100 / 0 / 25) :: HAWTHORNE : TEN YR PROD= 1440: MC ALESTER : CASE NO. 26 :: NEWPORT : (75 / 100 / 100) :: HAWTHORNE : TEN YR PROD= 3240: MC ALESTER : CASE NO. 27 :: NEWPORT : (75 / 100 / 75 / 110 / 75 /	CASE NO. 21 :: NEWPORT : 825.80 (100 / 0/100) :: HAWTHORNE : 1134.02 TEN YR PRODE 2520:: MC ALESTER : 842.23 CASE NO. 22 :: NEWPORT : 806.74 (100 / 0 / 75) :: HAWTHORNE : 1113.21 TEN YR PRODE 2250:: MC ALESTER : 823.31 CASE NO. 23 :: NEWPORT : 787.68 (100 / 0 / 50) :: HAWTHORNE : 1092.41 TEN YR PRODE 1980:: MC ALESTER : 804.39 CASE NO. 24 :: NEWPORT : 768.62 (100 / 0 / 25) :: HAWTHORNE : 1071.60 TEN YR PRODE 1710:: MC ALESTER : 785.47 CASE NO. 25 :: NEWPORT : 749.56 (100 / 0 / 0) :: HAWTHORNE : 1050.79 TEN YR PRODE 1440:: MC ALESTER : 766.55 CASE NO. 26 :: NEWPORT : 749.56 (75/100 / 100) :: HAWTHORNE : 1193.11 TEN YR PRODE 3240:: MC ALESTER : 895.96 CASE NO. 27 :: NEWPORT : 879.93 (75/100 / 75) :: HAWTHORNE : 1172.30 TEN YR PRODE 2970:: MC ALESTER : 877.04 CASE NO. 28 :: NEWPORT : 860.87 (75/100 / 50) :: HAWTHORNE : 1151.49 TEN YR PRODE 2700:: MC ALESTER : 858.12 CASE NO. 29 :: NEWPORT : 841.81 (75/100 / 25) :: HAWTHORNE : 1151.49 TEN YR PRODE 2430:: MC ALESTER : 858.12 CASE NO. 29 :: NEWPORT : 822.75 (75/100 / 25) :: HAWTHORNE : 1130.69 TEN YR PRODE 2430:: MC ALESTER : 839.20 CASE NO. 30 :: NEWPORT : 803.69 (75/100 / 0) :: HAWTHORNE : 1109.88	CASE NO. 21 :: NEWPORT : 825.80 : (1n0/ 0/100) :: HAWTHORNE : 1134.02 : TEN YR PROD= 2520:: MC ALESTER : 842.23 : CASE NO. 22 :: NEWPORT : 806.74 : (1n0/ 0/75) :: HAWTHORNE : 1113.21 : TEN YR PROD= 2250:: MC ALESTER : 823.31 : CASE NO. 23 :: NEWPORT : 787.68 : (1n0/ 0/ 50) :: HAWTHORNE : 1092.41 : TEN YR PROD= 1980:: MC ALESTER : 804.39 : CASE NO. 24 :: NEWPORT : 768.62 : (1n0/ 0/ 25) :: HAWTHORNE : 1071.60 : TEN YR PROD= 1710:: MC ALESTER : 785.47 : CASE NO. 25 :: NEWPORT : 749.56 : (1n0/ 0/ 0) :: HAWTHORNE : 1050.79 : TEN YR PROD= 1440:: MC ALESTER : 766.55 : CASE NO. 26 :: NEWPORT : 749.56 : (1n0/ 0/ 0) :: HAWTHORNE : 1050.79 : TEN YR PROD= 1440:: MC ALESTER : 766.55 : CASE NO. 26 :: NEWPORT : 879.93 : (75/100/100) :: HAWTHORNE : 1193.11 : TEN YR PROD= 3240:: MC ALESTER : 895.96 : CASE NO. 27 :: NEWPORT : 860.87 : (75/100/ 75) :: HAWTHORNE : 1172.30 : TEN YR PROD= 2970:: MC ALESTER : 877.04 : CASE NO. 28 :: NEWPORT : 841.81 : (75/100/ 50) :: HAWTHORNE : 1151.49 : TEN YR PROD= 2700:: MC ALESTER : 858.12 : CASE NO. 28 :: NEWPORT : 858.12 : CASE NO. 28 :: NEWPORT : 858.12 : CASE NO. 28 :: NEWPORT : 858.12 : CASE NO. 29 :: NEWPORT : 839.20 :	CASE NO. 21 :: NEWPORT : 825.80 : 29.23 (100/ 0/100) :: HAWTHORNE : 1134.02 : 43.09 TEN YR PRODE 2520:: MC ALESTER : 842.23 : 30.05 CASE NO. 22 :: NEWPORT : 806.74 : 29.07 (100/ 0/75) :: HAWTHORNE : 1113.21 : 42.96 TEN YR PRODE 2250:: MC ALESTER : 823.31 : 29.90 CASE NO. 23 :: NEWPORT : 787.68 : 28.91 (100/ 0/50) :: HAWTHORNE : 1092.41 : 42.85 TEN YR PRODE 1980:: MC ALESTER : 804.39 : 29.75 TEN YR PRODE 1980:: MC ALESTER : 804.39 : 29.75 CASE NO. 24 :: NEWPORT : 768.62 : 28.77 (100/ 0/25) :: HAWTHORNE : 1071.60 : 42.75 TEN YR PRODE 1710:: MC ALESTER : 785.47 : 29.62 CASE NO. 25 :: NEWPORT : 749.56 : 28.64 (100/ 0/0) :: HAWTHORNE : 1050.79 : 42.65 TEN YR PRODE 1440:: MC ALESTER : 766.55 : 29.50 CASE NO. 26 :: NEWPORT : 766.55 : 29.50 CASE NO. 26 :: NEWPORT : 879.93 : 29.76 (75/100/100) :: HAWTHORNE : 1193.11 : 43.48 TEN YR PRODE 3240:: MC ALESTER : 895.96 : 30.54 CASE NO. 27 :: NEWPORT : 879.93 : 29.76 (75/100/100) :: HAWTHORNE : 1193.11 : 43.48 TEN YR PRODE 2970:: MC ALESTER : 895.96 : 30.54 CASE NO. 28 :: NEWPORT : 879.93 : 29.76 (75/100/ 75/) :: HAWTHORNE : 1151.49 : 30.36 CASE NO. 28 :: NEWPORT : 841.81 : 29.38 (75/100/ 50) :: HAWTHORNE : 1151.49 : 43.19 TEN YR PRODE 2970:: MC ALESTER : 858.12 : 30.18 CASE NO. 28 :: NEWPORT : 841.81 : 29.38 (75/100/ 50) :: HAWTHORNE : 1150.49 : 43.07 TEN YR PRODE 2700:: MC ALESTER : 858.12 : 30.18 CASE NO. 29 :: NEWPORT : 841.81 : 29.38 (75/100/ 50) :: HAWTHORNE : 1150.49 : 43.07 TEN YR PRODE 2430:: MC ALESTER : 839.20 : 30.02 CASE NO. 29 :: NEWPORT : 858.12 : 30.18 CASE NO. 29 :: NEWPORT : 858.12 : 30.18 CASE NO. 29 :: NEWPORT : 858.12 : 30.18 CASE NO. 29 :: NEWPORT : 858.12 : 30.18 CASE NO. 29 :: NEWPORT : 859.20 : 30.02 CASE NO. 30 :: NEWPORT : 839.20 : 30.02 CASE NO. 30 :: NEWPORT : 839.20 : 30.02 CASE NO. 30 :: NEWPORT : 839.20 : 30.02 CASE NO. 30 :: NEWPORT : 803.69 : 29.04 (75/100/ 0) :: HAWTHORNE : 1109.88 : 42.95	CASE NO. 21 :: NEWPORT : 825.80 : 29.23 : (1n0/ 0/100) :: HAWTHORNE : 1134.02 : 43.09 : TEN YR PROD= 2520:: MC ALESTER : 842.23 : 30.05 : CASE NO. 22 :: NEWPORT : 806.74 : 29.07 : (1n0/ 0/75) :: HAWTHORNE : 1113.21 : 42.96 : TEN YR PROD= 2250:: MC ALESTER : 823.31 : 29.90 : CASE NO. 23 :: NEWPORT : 767.68 : 28.91 : (1n0/ 0/50) :: HAWTHORNE : 1092.41 : 42.85 : TEN YR PROD= 1980:: MC ALESTER : 804.39 : 29.75 : CASE NO. 24 :: NEWPORT : 768.62 : 28.77 : (1n0/ 0/25) :: HAWTHORNE : 1071.60 : 42.75 : TEN YR PROD= 1710:: MC ALESTER : 765.47 : 29.62 : CASE NO. 25 :: NEWPORT : 768.67 : 29.62 : CASE NO. 25 :: NEWPORT : 769.66 : 28.64 : (1n0/ 0/ 0/0) :: HAWTHORNE : 1050.79 : 42.65 : TEN YR PROD= 1440:: MC ALESTER : 766.55 : 29.50 : CASE NO. 26 :: NEWPORT : 879.93 : 29.76 : (1n0/ 0/ 0/0) :: HAWTHORNE : 1050.79 : 42.65 : TEN YR PROD= 3240:: MC ALESTER : 766.55 : 29.50 : CASE NO. 26 :: NEWPORT : 879.93 : 29.76 : (75/100/100) :: HAWTHORNE : 1153.11 : 43.48 : TEN YR PROD= 3240:: MC ALESTER : 877.04 : 30.36 : CASE NO. 27 :: NEWPORT : 860.87 : 29.57 : (75/100/75) :: HAWTHORNE : 1172.30 : 43.33 : TEN YR PROD= 2970:: MC ALESTER : 877.04 : 30.36 : CASE NO. 28 :: NEWPORT : 841.81 : 29.38 : (75/100/50) :: HAWTHORNE : 1151.49 : 43.19 : TEN YR PROD= 2700:: MC ALESTER : 877.04 : 30.36 : CASE NO. 28 :: NEWPORT : 841.81 : 29.38 : (75/100/25) :: HAWTHORNE : 1151.49 : 43.19 : TEN YR PROD= 2430:: MC ALESTER : 839.20 : 30.02 : CASE NO. 29 :: NEWPORT : 858.12 : 30.18 : CASE NO. 29 :: NEWPORT : 858.12 : 30.18 : CASE NO. 29 :: NEWPORT : 839.20 : 30.02 : CASE NO. 30 :: NEWPORT : 130.69 : 43.07 : TEN YR PROD= 2430:: MC ALESTER : 839.20 : 30.02 : CASE NO. 30 :: NEWPORT : 1130.69 : 43.07 : TEN YR PROD= 2430:: MC ALESTER : 839.20 : 30.02 : CASE NO. 30 :: NEWPORT : 1130.69 : 43.07 : TEN YR PROD= 2430:: MC ALESTER : 839.20 : 30.02 : CASE NO. 30 :: NEWPORT : 1130.69 : 43.07 : TEN YR PROD= 2430:: MC ALESTER : 839.20 : 30.02 : CASE NO. 30 :: NEWPORT : 1109.88 : 42.95 : TEN YR PROD= 2430:: MC ALESTER : 839.20 : 30.02 : TEN YR PROD= 2430:: MC ALESTER : 839.2	CASE NO. 21 :: NEWPORI : 825.80 : 29.23 : **** (1no/ 0/100) :: HAWTHORNE : 1134.02 : 43.09 : 0.0 TEN YR PRODE 2520: MC ALESTER : 862.23 : 30.05 : 34.8 CASE NO. 22 :: NEWPORT : 806.74 : 29.07 : **** (1no/ 0/75) :: HAWTHORNE : 1113.21 : 42.96 : 0.0 TEN YR PRODE 2520: MC ALESTER : 823.31 : 29.90 : 34.6 CASE NO. 23 :: NEWPORT : 767.68 : 28.91 : **** (1no/ 0/50) :: HAWTHORNE : 1092.41 : 42.85 : 0.0 TEN YR PRODE 1980: MC ALESTER : 804.39 : 29.75 : 34.4 CASE NO. 24 :: NEWPORT : 768.62 : 28.77 : **** (1no/ 0/25) :: HAWTHORNE : 1071.60 : 42.75 : 0.0 TEN YR PRODE 1710: MC ALESTER : 765.47 : 29.62 : 34.2 CASE NO. 25 :: NEWPORT : 768.62 : 28.77 : **** (1no/ 0/0) :: HAWTHORNE : 1071.60 : 42.75 : 0.0 TEN YR PRODE 1710: MC ALESTER : 765.47 : 29.62 : 34.2 CASE NO. 25 :: NEWPORT : 749.56 : 28.64 : **** (1no/ 0/0) :: HAWTHORNE : 1050.79 : 42.65 : 0.0 TEN YR PRODE 1440: MC ALESTER : 766.55 : 29.50 : 34.0 CASE NO. 26 :: NEWPORT : 879.93 : 29.76 : **** (75/100/100) :: HAWTHORNE : 1103.11 : 43.48 : 0.0 TEN YR PRODE 3240: MC ALESTER : 895.96 : 30.54 : 35.3 CASE NO. 27 :: NEWPORT : 899.96 : 30.54 : 35.3 CASE NO. 28 :: NEWPORT : 899.96 : 30.54 : 35.3 CASE NO. 27 :: NEWPORT : 841.81 : 29.38 : **** (75/100/75/ :: HAWTHORNE : 1153.1 : 43.48 : 0.0 TEN YR PRODE 2970: MC ALESTER : 877.04 : 30.36 : 35.1 CASE NO. 28 :: NEWPORT : 841.81 : 29.38 : **** (75/100/75/ :: HAWTHORNE : 115.49 : 43.19 : 0.0 TEN YR PRODE 2700:! MC ALESTER : 858.12 : 30.18 : 34.9 CASE NO. 27 :: NEWPORT : 841.81 : 29.38 : **** (75/100/25/ :: HAWTHORNE : 115.49 : 43.19 : 0.0 TEN YR PRODE 2700:! MC ALESTER : 858.12 : 30.18 : 34.9 CASE NO. 27 :: NEWPORT : 858.12 : 30.18 : 34.9 CASE NO. 27 :: NEWPORT : 859.26 : 30.02 : 34.7 CASE NO. 27 :: NEWPORT : 841.81 : 29.38 : **** (75/100/25/ :: HAWTHORNE : 1150.49 : 43.19 : 0.0 TEN YR PRODE 2700:! MC ALESTER : 858.12 : 30.18 : 34.9

COST /SENSITIVITY /HISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 5% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

46										- 4
:	IDENTIFICATION	: 1	SITE	:	COST	1	SIGMA		RISK(%)	:
	CASE NO. 31 (75/75/100) TEN YR PROD= 2970	:: H	EWPORI AWTHORNE C ALESTER		854.56 1165.41 870.78		29.50 43.28 30.30		0 • 0 35 • 1	
1		:: H	FWPORT AWTHORNE C ALESTER	:	835.50 1144.61 851.86		29.32 43.15 30.13	:	0.0	:
1		: H	EWPORT AWTHORNE C ALESTER	:	816.44 1123.80 832.94	:	29.15 43.02 29.97		0.0	:
		:: н	EWPORT AWTHORNE C ALESTER		/9/.38 1102.99 814.02	:	20.99 42.91 29.82		0.0	:
		н н	EWPORT AWTHORNE C ALESTER		778.32 1082.19 795.10	:	20.84 42.80 29.69		0.0 34.3	:
		: H	EWPORT AWTHORNE C ALESTER	:	829.19 1137.72 845.59	:	29.26 43.11 30.08		0.0 34.8	:
	CASE NO. 3' (75/50/75) TEM YR PROD= 2430	: : H	EWPORT AWTHORNE C ALESTER		810.13 1116.91 826.67	:	29.09 42.99 29.92	:	0 • 0 34 • 6	:
		: H	EWPORT AWTHORNE C ALESTER	:	/91.07 1096.11 80/.75	1	2n. 94 42.87 29.78	:	0.0	
		: H	EWPORT AWTHORNE C ALESTER	:	772.01 1075.30 788.83	:	28.19 42.77 29.65	:	0.0	:
		: н	EWPORT AWTHORNE C ALESTER	:	752.95 1054.49 769.91	:	28.66 42.67 29.52		0 • 0 3 4 • 0	:

RDX - HMX SITE SELECTION FUUR LINE CAPACITY COST /SENSITIVITY /KISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 5% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

*								#
: IDFNTIFICATION ::	SITE	1	COST		SIGMA		RISK(%)	1
: CASE NO. 41 :: : (75/25/100) :: : TEM YR PROD= 2430::	HAWTHORNE		80 3. 82 1110.03 820.41		29.04 42.95 29.87		0.0	:
: CASE NO. 42 :: : (75/25/75) :: : TEN YR PROD= 2160::		:	784./6 1089.22 801.49	:	28.89 42.84 29.73	:	0 · 0 34 · 3	:
: CASE NO. 43 :: : (75/25/50) :: : TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	1	765.70 1068.41 782.57	:	28.75 42.73 29.60	:	0.0	:
: CASE NO. 44 :: : (75/ 25/ 25) :: : TEN YR PROD= 1620::			746.64 1047.61 763.65	:	20.62 42.54 29.48		0.0	:
: CASE NO. 45 :: : (75/25/0) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	:	727.58 1026.80 744.73	***	28.50 42.56 29.38		0 • 0 33 • A	:
: CASE NO. 46 :: : (75/ 0/100) :: : TEN YR PROD= 2160::		1	778.45 1084.33 795.23	8	28.84 42.80 29.69	*	0.0	:
: CASE NO. 4/ :: : (75/ 0/ 75) :: : TEM YR PROD= 1890::	NEWPORT HAWTHORNL MC ALESTER	1	759.39 1061.53 776.31	:	28.70 42.70 29.56		0.0	:
: CASE NO. 40 :: : (75/ 0/50) :: : TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER	:	/40.33 1040.72 75/.39	:	28.58 42.61 29.45		0.0	:
: CASE NO. 49 :: : (75/ 0/25) :: : TEN YR PROD= 1350::		:	/21.27 1019.91 738.47	:	28.46 42.53 29.34	:	0 • 0 33 • 7	:
: CASE NO. 50 :: : (75/ 0/ 0) :: : TEN YR PROD= 1080::			702.21 999.11 /19.55	:	28.36 42.46 29.25	:	0 · 0 33 • 5	:

COSI /SENSITIVITY /HISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 5% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION ::	SITE	1	COST	1	SIGMA	£	RISK(%)
CASE NO. 51 :: (50/100/100) :: TEN YR PROD= 2880::	NEWPOR! HAWTHORNE MC ALESTER	:	832.58 1141.42 848.96	:	29.29 43.13 30.10	:	0 • 0 34 • 8
CASE NO. 52 :: (50/100/ 75) :: TEN YR PROD= 2610::	NEWPORT HAWTHORNE MC ALESTER	1 1	813.52 1120.62 830.04	:	29.12 43.01 29.95	î î	0 • 0 34 • 6
CASE NO 53 : 1 (50/100/ 50) : 1 TEN YR PROD= 2340: 1	NEWPORT HAWTHORNE MC ALESTER	:	794.46 1099.81 811.12	:	28.96 42.89 29.80	:	0 • 0 34 • 4
CASE NO. 54 :: (50/100/ 25) :: TEN YR PROD= 2070::	NEWPORT HAWTHORNE MC ALESTER	:	775.40 1079.00 792.20	:	28.82 42.78 29.67	:	0 • 0 34 • 2
CASE NO. 55 : 5 (50/100/ 0) : 5 TEN YR PROD= 1800; 5	NEWPORT HAWTHORNE MC ALESTER	1	/56.34 1058.20 773.28	:	20.68 42.69 29.54	:	0 • 0 34 • 0
CASE NO. 56 :: (50/ 75/100) :: TEN YR PROD= 2610::	NEWPORT HAWTHORNE MC ALESTER	:	807.21 1113.73 823.78	:	29.07 42.97 29.90	:	0 • 0 34.• 6
CASE NO. 57 :: (50/ 75/ 75) :: TEN YR PROD= 2340::	NEWPORT HAWTHORNE MC ALESTER	:	788.15 1092.92 804.86	:	28.91 42.85 29.76	:	0 • 0 34 • 4
CASE NO. 58 :: (50/75/50) :: TEN YR PROD= 2070::	NEWPORT HAWTHORNE MC ALESTER	:	769.09 1072.12 785.94	:	28.77 42.75 29.63	:	0.0 34.2
CASE NO. 57 :: (50/ 75/ 25) :: TEN YR PROD= 1800::	NEWPORT HAWTHORNE MC ALESTER	:	750.03 1051.31 767.02	:	28.64 42.66 29.51	:	0 • 0 34 • 0
CASE NO. 60 :: (50/75/0) :: TEN YR PROD= 1530::	NEWPORT HAWTHORNE MC ALESTER	:	730.97 1030.50 748.10	:	28.52 42.57 29.40	:	***** 0 • 0 33 • 8

COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST= 0%, MTLS= 5% UTLS= 0%, LBR= 0%, TRANS= 0%
(COST IN \$MILLION DISCOUNTED AT 10%)
(QUAN'ITIES IN MILLIONS OF LBS.)

*								*
: IDENTIFICATION ::	SITE	1	COST	ť	SIGMA	1	RISK(%)	1
: CASE NO. 61 :: : (50/50/100) ::	NEWPORT HAWTHORNE	1	781.84 1086.03	1	28.87	1	*****	:
: TEN YR PROD= 2340:1	MC ALESTER	-	798.60	i	29.71		34.3	:
: CASE NO. 62	NEWPORT	1	762.18	:	26.13	:	****	1
: (50/50/75) :: : TEN YR PROD= 2070::	HAWTHORNE MC ALESTER	1	1065.23 779.67	2	42.72	3	0 · 0 34 · 1	:
: CASE NO. 63 ::	NEWPORT	1	743.72	:	28.60	:	****	1
: (50/50/50) :: : TEN YR PROD= 1800::	MC ALESTER	1	760.75	1	42.63	i	0.0 33.9	1
: CASE NO. 64 1	NEWPORT	1	/24.66		28.48	:	****	1
: (50/50/25) :: : TEN YR PROD= 1530::	MC ALESTER	:	1023.61 741.83	1	42.54	:	0 · 0 33 · 7	1
: CASE NO. 65 ::	NEWPORT	1	705.60	:	28.38	:	****	
: (50/50/0) :: : TEN YR PROD= 1260::	MC ALESTER	1	1002.81 722.91	8	42.47	2	33.6	1
: CASE NO. 66 11	NEWPORT	:	756.47	:	28.68	:	****	
: (50/ 25/100) :: : TEN YR PROD= 2070::	HAWTHORNE MC ALESTER	:	1058.34 773.41	1	42.69	:	0.0 34.0	1
: CASE NO. 6/ ::	NEWPORT	:	/3/.41		28.56	:	****	1
: (50/ 25/ 75) :: : TEN YR PROD= 1800::	HAWTHORNE MC ALESTER	:	1037.53	1	42.60	1	0.0	3
: CASE NO. 60 :1	NEWPORT	1	718.35	:	28.45	:	****	1
: (50/ 25/ 50) :: : TEN YR PROD= 1530::	HAWTHORNE MC ALESTER	1	1016.73 735.57	1	42.52	1	0.0 33.7	1
: CASE NO. 69	NEWPORT	:	699.29	:	28.35	:	****	
: (50/ 25/ 25) :: : TEN YR PROD= 1260::	HAWTHORNE MC ALESTER	:	995.92 716.65	3	42.45	8	0 • 0 33 • 5	:
: CASE NO. 70 :1	NEWPORT	1	680.23	:	28.26	1	****	#
: (50/25/0) :: : TEN YR PROD= 990::	HAWTHORNE MC ALESTER	:	975.11 697.73	1	42.38	1	0.0	:
*		-						

COSI /SENSITIVITY /HISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 5% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

CASE NO. 71	#				*****				#
1	: IDENTIFICATION :	SITE	1	COST	1	SIGMA	*	RISK (%)	1
I TEN YR PROD= 1800:: MC ALESTER: 748,23 : 29.40 : 33.8 : I CASE NO. 72 :: NEWPORT : 712,04 : 28.41 : ***** : I (50/ 0/ 75) :: HAWTHORNE : 1009,84 : 42.49 : 0.0 : I TEN YR PROD= 1530:: MC ALESTER : 729.31 : 29.30 : 33.6 : CASE NO. 73 :: NEWPORT : 692,98 : 28.32 : ***** : I (50/ 0/ 50) :: HAWTHORNE : 989.03 : 42.42 : 0.0 : I TEN YR PROD= 1260:: MC ALESTER : 710.39 : 29.21 : 33.4 : CASE NO. 74 :: NEWPORT : 673,92 : 28.24 : ***** : I (50/ 0/ 25) :: HAWTHORNE : 968.23 : 42.37 : 0.0 : I TEN YR PROD= 990:: MC ALESTER : 691.47 : 29.14 : 33.3 : CASE NO. 75 :: NEWPORT : 654.86 : 28.17 : ***** : I (50/ 0/ 0) :: HAWTHORNE : 947.42 : 42.32 : 0.0 : 1						28.52	:	****	
CASE NO. 72					*		\$		\$
(50/ 0/75)	: TEN YR PROD= 1800::	MC ALESTER	\$	748.23	\$	29.40	\$	33.8	:
(50/ 0/75)	: CASE NO. 72 ::	NEWPORT	:	712.04	:	25.41	:	****	
TEN YR PROD= 1530: MC ALESTER: 729.31 : 29.30 : 33.6 : CASE NO. 73 :: NEWPORT : 692.98 : 28.32 : ***** : (50/ 0/ 50) :: HAWTHORNE : 989.03 : 42.42 : 0.0 : 1 TEN YR PROD= 1260: MC ALESTER : 710.39 : 29.21 : 33.4 : 1 CASE NO. 74 :: NEWPORT : 673.92 : 28.24 : ***** : (50/ 0/ 25) :: HAWTHORNE : 968.23 : 42.37 : 0.0 : 1 TEN YR PROD= 990: MC ALESTER : 691.47 : 29.14 : 33.3 : 1 CASE NO. 75 :: NEWPORT : 654.86 : 28.17 : ***** : (60/ 0/ 0) :: HAWTHORNE : 947.42 : 42.32 : 0.0 : 1 TEN YR PROD= 720:: MC ALESTER : 672.55 : 29.07 : 33.1 : 1 CASE NO. 76 :: NEWPORT : 785.23 : 28.89 : **** : (25/100/100) :: HAWTHORNE : 1089.74 : 42.84 : 0.0 : 1 TEN YR PROD= 2520:: MC ALESTER : 801.96 : 29.74 : 34.3 : 1 CASE NO. 77 :: NEWPORT : 766.17 : 28.75 : **** : (25/100/75) :: HAWTHORNE : 1068.93 : 42.74 : 0.0 : 1 TEN YR PROD= 2520:: MC ALESTER : 783.04 : 29.61 : 34.1 : 1 CASE NO. 78 :: NEWPORT : 747.11 : 28.62 : **** : (25/100/50) : HAWTHORNE : 1068.93 : 42.74 : 0.0 : 1 TEN YR PROD= 1980:: MC ALESTER : 783.04 : 29.61 : 34.1 : 1 CASE NO. 78 :: NEWPORT : 747.11 : 28.62 : **** : (25/100/50) : HAWTHORNE : 1048.12 : 42.64 : 0.0 : 1 TEN YR PROD= 1980:: MC ALESTER : 764.12 : 29.49 : 33.9 : 1 CASE NO. 79 :: NEWPORT : 747.11 : 28.62 : **** : (25/100/50) : HAWTHORNE : 1048.12 : 42.64 : 0.0 : 1 TEN YR PROD= 1980:: MC ALESTER : 764.12 : 29.49 : 33.9 : 1 CASE NO. 79 :: NEWPORT : 747.11 : 28.62 : **** : (25/100/50) : HAWTHORNE : 1048.12 : 42.64 : 0.0 : 1 TEN YR PROD= 1980:: MC ALESTER : 764.12 : 29.49 : 33.9 : 1 CASE NO. 79 :: NEWPORT : 747.11 : 28.62 : **** : 1 CASE NO. 79 :: NEWPORT : 747.11 : 28.62 : **** : 1 CASE NO. 79 :: NEWPORT : 747.11 : 28.62 : **** : 1 CASE NO. 79 :: NEWPORT : 747.11 : 28.62 : **** : 1 CASE NO. 79 :: NEWPORT : 747.11 : 28.62 : **** : 1 CASE NO. 79 :: HAWTHORNE : 1048.12 : 42.64 : 0.0 : 1 TEN YR PROD= 1980:: MC ALESTER : 764.12 : 29.49 : 33.9 : 1 CASE NO. 80 :: NEWPORT : 708.99 : 28.40 : **** : 1 CASE NO. 80 :: NEWPORT : 748.99 : 28.40 : ***** : 1			8		\$		-	0.0	2
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CASE NO. 79 :: NEWPORT : 728.05 : 28.50 : **** : (25/100/25) :: HAWTHORNE : 1027.32 : 42.56 : 0.0 : TEN YR PROD= 1710: MC ALESTER : 745.20 : 29.38 : 33.8 : CASE NO. 80 :: NEWPORT : 708.99 : 28.40 : **** : (25/100/0) :: HAWTHORNE : 1006.51 : 42.48 : 0.0			-				1		*
: (25/100/25) :: HAWTHORNE : 1027.32 : 42.56 : 0.0 : TEN YR PROD= 1710: MC ALESTER : 745.20 : 29.38 : 33.8 : CASE NO. 80 :: NEWPORT : 708.99 : 28.40 : **** : (25/100/0) :: HAWTHORNE : 1006.51 : 42.48 : 0.0 :	: EN TR PROUE 1980::	MC ALESIER		164.12		29.49		33.9	
: TEN YR PROD= 1710:: MC ALESTER: 745.20 : 29.38 : 33.8 : : CASE NO. 80 :: NEWPORT : 708.99 : 28.40 : **** : : (25/100/ 0) :: HAWTHORNE : 1006.51 : 42.48 : 0.0 :	: CASE NO. 79 ::	NEWPORT	:	728.05	1	28.50	:	****	:
: CASE NO. 80 :: NEWPORT : 708.99 : 28.40 : **** : (25/100/ 0) :: HAWTHORNE : 1006.51 : 42.48 : 0.0 :	: (25/100/ 25) ::	HAWTHORNE	:	1027.32	\$	42.56	-	0.0	
: (25/100/ 0) :: HAWTHORNE : 1006.51 : 42.48 : 0.0 :	: TEN YR PROD= 1710::	MC ALESTER	:	745.20	:	29.38	1	33.8	1
: (25/100/ 0) :: HAWTHORNE : 1006.51 : 42.48 : 0.0 :	1 CASE NO OR	NEWDOOT		708 00		20 40			#
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***************************************	AND THE RESERVE AND ADDRESS OF THE PARTY OF						-		2
	*								

RDX = HMX SITE SELECTION

FUUR LINE CAPACITY

COS! /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 5% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

: IDENTIFICATION ::	SITE	3	COST	1	SIGMA	*	RISK(%)
			759.86 1062.04 776.78	:	28.71 42.70 29.57	:	0.0
1 CASE NO. 82 :: : (25/ 75/ 75) :: : TEN YR PROD= 1980::			740.80 1041.24 757.86	:	28.58 42.61 29.45	:	0.0 33.9
	NEWPORT HAWTHORNE MC ALESTER	1 1	721.74 1020.43 738.94	3	28.47 42.53 29.35	:	0.0 33.7
: CASE NO. 84 :: : (25/ 75/ 25) :: : TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER	:	702.68 999.62 720.02	:	28.37 42.46 29.25	:	0.0 33.5
			683.62 978.82 701.10	:	28.28 42.39 29.17	*	0.0 33.4
: (25/ 50/100) ::			734.49 1034.35 751.60	1 :	28.54 42.58 29.42	8	0 • 0 33 • 8
1 (25/ 50/ 75) 1:		-	715.43 1013.54 732.68	:	28.43 42.51 29.32	:	0 • 0 33 • 6
	NEWPORT HAWTHORNE MC ALESTER	:	696.37 992.74 713.75	† :	28.33 42.44 29.23	:	0 • 0 33 • 5
	NEWPORT HAWTHORNE MC ALESTER	:	67/.31 971.93 694.83	:	28.25 42.38 29.15	:	0 • 0 33 • 3
	HAWTHORNE	2	658.25 951.12 675.91	:	28.18 42.32 29.08	:	0.0 33.1
	CASE NO. 81 (25/ 75/100) TEN YR PROD= 2250: CASE NO. 82 (25/ 75/ 75) TEN YR PROD= 1980: CASE NO. 83 (25/ 75/ 50) TEN YR PROD= 1710: CASE NO. 84 (25/ 75/ 25) TEN YR PROD= 1440: CASE NO. 85 (25/ 75/ 0) TEN YR PROD= 1170: CASE NO. 86 (25/ 75/ 0) TEN YR PROD= 1170: CASE NO. 86 (25/ 50/100) TEN YR PROD= 1980: CASE NO. 86 (25/ 50/100) TEN YR PROD= 1980: CASE NO. 86 (25/ 50/ 75) TEN YR PROD= 1710: CASE NO. 86 (25/ 50/ 75) TEN YR PROD= 1440: CASE NO. 87 (25/ 50/ 50) TEN YR PROD= 1170: CASE NO. 89 (25/ 50/ 25) TEN YR PROD= 1170: CASE NO. 89 (25/ 50/ 25) TEN YR PROD= 1170: CASE NO. 89 (25/ 50/ 25) TEN YR PROD= 1170:	: CASE NO. 81 :: NEWPORT : (25/75/100) :: HAWTHORNE : TEM YR PROD= 2250:: MC ALESTER : CASE NO. 82 :: NEWPORT : (25/75/75) :: HAWTHORNE : (25/75/75) :: HAWTHORNE : CASE NO. 83 :: NEWPORT : (25/75/50) :: HAWTHORNE : CASE NO. 84 :: NEWPORT : CASE NO. 84 :: NEWPORT : CASE NO. 85 :: NEWPORT : CASE NO. 86 :: NEWPORT : CASE NO. 87 :: NEWPORT : CASE NO. 89 :: NEWPORT : CASE NO. 90 :: NEWPORT : CASE N	: CASE NO. 81 :: NEWPORT : (25/75/100) :: HAWTHORNE : TEN YR PROD= 2250: MC ALESTER : CASE NO. 82 :: NEWPORT : (25/75/75) :: HAWTHORNE : TEN YR PROD= 1980: MC ALESTER : CASE NO. 83 :: NEWPORT : (25/75/50) :: HAWTHORNE : TEN YR PROD= 1710: MC ALESTER : CASE NO. 84 :: NEWPORT : (25/75/25) :: HAWTHORNE : TEN YR PROD= 1440: MC ALESTER : CASE NO. 85 :: NEWPORT : (25/75/0) :: HAWTHORNE : TEN YR PROD= 1170: MC ALESTER : CASE NO. 86 :: NEWPORT : (25/75/0) :: HAWTHORNE : TEN YR PROD= 1170: MC ALESTER : CASE NO. 86 :: NEWPORT : (25/50/100) :: HAWTHORNE : TEN YR PROD= 1980: MC ALESTER : CASE NO. 86 :: NEWPORT : (25/50/75) :: HAWTHORNE : TEN YR PROD= 1710: MC ALESTER : CASE NO. 86 :: NEWPORT : (25/50/75) :: HAWTHORNE : TEN YR PROD= 1710: MC ALESTER : CASE NO. 85 :: NEWPORT : (25/50/50) :: HAWTHORNE : TEN YR PROD= 1440: MC ALESTER : CASE NO. 85 :: NEWPORT : (25/50/25) :: HAWTHORNE : TEN YR PROD= 1170: MC ALESTER : CASE NO. 85 :: NEWPORT : (25/50/25) :: HAWTHORNE : TEN YR PROD= 1170: MC ALESTER : CASE NO. 85 :: NEWPORT : (25/50/25) :: HAWTHORNE : TEN YR PROD= 1170: MC ALESTER : CASE NO. 85 :: NEWPORT : (25/50/25) :: HAWTHORNE : TEN YR PROD= 1170: MC ALESTER : CASE NO. 90 :: NEWPORT : (25/50/0) :: HAWTHORNE : TEN YR PROD= 1170: MC ALESTER :	: CASE NO. 81 :: NEWPORT : 759.86 : (25/75/100) :: HAWTHORNE : 1062.04 : TEN YR PROD= 2250:: MC ALESTER : 776.78 ! CASE NO. 82 :: NEWPORT : 740.80 : (25/75/75) :: HAWTHORNE : 1041.24 : TEN YR PROD= 1980:: MC ALESTER : 757.86 ! CASE NO. 83 :: NEWPORT : 721.74 : (25/75/50) :: HAWTHORNE : 1020.43 : TEN YR PROD= 1710:: MC ALESTER : 738.94 ! CASE NO. 84 :: NEWPORT : 702.68 : (25/75/25) :: HAWTHORNE : 999.62 : TEN YR PROD= 1440:: MC ALESTER : 720.02 ! CASE NO. 85 :: NEWPORT : 734.49 : (25/75/0) :: HAWTHORNE : 978.82 : TEN YR PROD= 1170:: MC ALESTER : 701.10 ! CASE NO. 86 :: NEWPORT : 734.49 : (25/50/100) :: HAWTHORNE : 1034.35 : TEN YR PROD= 1980:: MC ALESTER : 751.60 ! CASE NO. 86 :: NEWPORT : 715.43 : (25/50/75) :: HAWTHORNE : 1013.54 : CASE NO. 86 :: NEWPORT : 715.43 : (25/50/75) :: HAWTHORNE : 732.68 ! CASE NO. 86 :: NEWPORT : 734.99 : TEN YR PROD= 1710:: MC ALESTER : 732.68 ! CASE NO. 86 :: NEWPORT : 732.68 ! CASE NO. 87 :: NEWPORT : 674.31 ! CASE NO. 90 :: NEWPORT : 658.25 ! CASE NO. 90 :: NEWPORT : 658.25	CASE NO. 81	: CASE NO. 81 : NEWPORT : 759.86 : 28.71 : (25/75/100) :: HAWTHORNE : 1062.04 : 42.70 : TEM YR PROD= 2250: MC ALESTER : 776.78 : 29.57 : CASE NO. 82 : NEWPORT : 740.80 : 28.58 : (25/75/75) :: HAWTHORNE : 1041.24 : 42.61 : TEM YR PROD= 1980: MC ALESTER : 757.86 : 29.45 : CASE NO. 83 :: NEWPORT : 757.86 : 29.45 : CASE NO. 83 :: NEWPORT : 757.86 : 29.45 : CASE NO. 83 :: NEWPORT : 757.86 : 29.45 : CASE NO. 83 :: NEWPORT : 721.74 : 28.47 : (25/75/50) :: HAWTHORNE : 1020.43 : 42.53 : TEM YR PROD= 1710: MC ALESTER : 738.94 : 29.35 : CASE NO. 84 : NEWPORT : 702.68 : 28.37 : (25/75/25) :: HAWTHORNE : 999.62 : 42.46 : 25/75/25 : CASE NO. 84 : NEWPORT : 702.02 : 29.25 : CASE NO. 85 :: NEWPORT : 720.02 : 29.25 : CASE NO. 85 :: NEWPORT : 683.62 : 28.28 : (25/75/0) :: HAWTHORNE : 978.82 : 42.39 : TEM YR PROD= 1170: MC ALESTER : 701.10 : 29.17 : CASE NO. 86 : NEWPORT : 734.49 : 28.54 : (25/75/0) :: HAWTHORNE : 1034.35 : 42.58 : TEM YR PROD= 1980: MC ALESTER : 751.60 : 29.42 : CASE NO. 86 : NEWPORT : 715.43 : 28.43 : (25/75/5) :: HAWTHORNE : 1035.54 : 42.58 : TEM YR PROD= 1980: MC ALESTER : 751.60 : 29.42 : CASE NO. 86 : NEWPORT : 715.43 : 28.43 : (25/75/50) :: HAWTHORNE : 1013.54 : 42.51 : TEM YR PROD= 1710: MC ALESTER : 751.60 : 29.42 : CASE NO. 86 : NEWPORT : 732.68 : 29.32 : CASE NO. 86 : NEWPORT : 732.68 : 29.32 : CASE NO. 86 : NEWPORT : 696.37 : 28.33 : (25/750/75) :: HAWTHORNE : 1013.54 : 42.51 : TEM YR PROD= 1710: MC ALESTER : 713.75 : 29.23 : CASE NO. 87 : NEWPORT : 696.37 : 28.33 : (25/750/50) :: HAWTHORNE : 992.74 : 42.44 : 29.25 : TEM YR PROD= 1440: MC ALESTER : 713.75 : 29.23 : CASE NO. 87 : NEWPORT : 694.83 : 29.15 : CASE NO. 87 : NEWPORT : 694.83 : 29.15 : CASE NO. 90 :: NEWPORT : 694.83 : 29.15 : CASE NO. 90 :: NEWPORT : 694.83 : 29.15 : CASE NO. 90 :: NEWPORT : 694.83 : 29.15 : CASE NO. 90 :: NEWPORT : 695.25 : 28.18 : CASE NO. 90 :: NEWPORT : 695.25 : 28.18 : CASE NO. 90 :: NEWPORT : 695.25 : 28.18 : CASE NO. 90 :: NEWPORT : 695.25 : 28.18 : CASE NO. 90 :: NEWPORT : 695.25 : 28.18 : CASE NO. 90 :: NEWPORT : 6	CASE NO. 81 : NEWPORT : 759.86 : 28.71 : (25/75/100) :: HAWTHORNE : 1062.04 : 42.70 : TEN YR PRODE 2250: MC ALESTER : 776.78 : 29.57 : (28.76.76) :: MC ALESTER : 776.78 : 29.57 : (29.57) : (29.57) : (29.57) : (29.57) : (29.57) : (29.57) : (29.57) : (29.57) : (29.57) : (29.57) : (29.57) : (29.57) : (29.45) : (25/75/75) :: HAWTHORNE : 1041.24 : 42.61 : (25/75/75) :: HAWTHORNE : 1041.24 : 42.61 : (29.45) : (29.46) : (29.45) :

DATE: 16 JAN 75

RDX - HMX SITE SELECTION FOUR LINE CAPACITY

COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST= 0%, MTLS= 5% UTLS= 0%, LBR= 0%, TRANS= 0%
(COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

: IDENTIFICATION :	SITE	cost	SIGMA	RISK(%)
CASE NO. 91 :: (25/ 25/100) :: TEN YR PROD= 1710::	HAWTHORNE		: 28.40 : 42.48 : 29.28	0.0
CASE NO. 92 :: (25/ 25/ 75) :: TEN YR PROD= 1440:		690.06 985.85 707.49	28.31 42.42 29.20	: **** : 0 • 0 : 33 • 4
CASE NO. 93 :: (25/ 25/ 50) :: TEN YR PROD= 1170:		671.00 965.04 688.57	20.22 42.36 29.13	: **** 0 • 0 33 • 2
CASE NO. 94 :: (25/ 25/ 25) :: TEN YR PROD= 900:	NEWPORT HAWTHORNL MC ALESTER	651.94 944.24 669.65	. 20.16 : 42.31 : 29.06	0 · 0 33 · 1
CASE NO. 95 :: (25/ 25/ 0) :: TEN YR PROD= 630::		632.88 923.43 650.73	; 28.10 42.27 29.01	0 · 0 32 · 9
CASE NO. 96 :: (25/ 0/100) :: TEN YR PROD= 1440:	NEWPORT HAWTHORNE MC ALESTER	683.75 978.96 701.23	28.28 42.40 29.17	: **** : 0 • 0 : 33 • 4
CASE NO. 9/ :: (25/ 0/ 75) :: TEN YR PROD= 1170:		664.69 958.16 682.31	28.20 42.34 29.10	0 · 0 33 · 2
CASE NO. 95 :: (25/ 0/ 50) :: TEN YR PROD= 900:	HAWTHORNE	645.63 937.35 663.39	28.14 42.29 29.05	0 · 0 3 3 · 0
CASE NO. 99 :: (25/ 0/ 25) :: TEN YR PROD= 630:	HAWTHORNE	626.57 916.54 644.47	28.09 42.26 29.00	i •••• i 0•0 i 32•9
CASE NO. 100 :: (25/ 0/ 0) :: TEN YR PROD= 360:		607.51 895.74 625.55	28.96	0 · 0 32 · 7

COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST= 0%, MTLS= 5% UTLS= 0%, LBR= 0%, TRANS= 0%
(COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

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1	IDENTIFICATION :	SITE	1	COST		SIGMA		RISK(%)	\$
:		NEWPORT HAWTHORNE MC ALESTER		737.88 1038.05 754.96	:	28.56 42.60 29.43	:	0.0	1
:	CASE NO. 102 : (0/100/ 75) : TEM YR PROD= 1890:		:	/18.82 1017.24 736.04	:	25.45 42.52 29.33	:	0.0 33.7	:
	CASE NO. 103 :: (0/100/ 50) :: TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER	:	699.76 996.44 717.12	\$ \$	28.35 42.45 29.24	:	0 · 0 33 · 5	:
1	CASE NO. 104 :: (0/100/ 25) :: TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	:	680.70 975.63 698.20	:	28.26 42.39 29.16	***************************************	0 · 0 33 · 3	:
1	CASE NO. 105 :: (0/100/ 0) :: TEN YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER	:	661.64 954.83 679.28	:	28.19 42.33 29.09	\$ \$ \$	0 · 0 33 · 2	:
0			:	712.51 1010.36 729.78	:	28.42 42.49 29.30	2 2 2	0 · 0 33 · 6	:
	CASE NO. 107 :: (0/ 75/ 75) :: TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER	:	693.45 989.55 710.86	:	28,32 42.43 29.21	8	0 • 0 33 • 4	: :
	CASE NO. 108 :: (0/ 75/ 50) :: TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	:	674.39 968.74 691.94	:	28.24 42.37 29.14	1 2	0.0 33.3	1
	CASE NO. 107 :: (0/ 75/ 25) :: TEN YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER	:	655.33 947.94 673.02	:	20.1/ 42.32 29.07	:	0 • 0 33 • 1	:
	CASE NO. 110 :: (0/ 75/ 0) :: TEN YR PROD= 810::	HAWTHORNE	:	636.27 927.13 654.10	:	28.11 42.28 29.02	:	0.0 33.0	:

COST /SENSITIVITY /KISK
INCREASE IN NEWPORT AAP COSTS
CONST= 0%, MTLS= 5% UTLS= 0%, LBR= 0%, TRANS= 0%
(COST IN \$MILLION DISCOUNTED AT 10%)
(QUANTITIES IN MILLIONS OF LBS.)

	(GOANTITIES	AIN MILL.		FD241	
: IDENTIFICATION :		COST		GMA !	RISK(%)
: CASE NO. 111 :: : (0/ 50/100) :: : TEN YR PROD= 1620::	NEWPOR! I		1 42	.29	0.0
CASE NO. 112 :: : (0/ 50/ 75) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER :	668.08 961.86 685.68	: 42	.21 .35 .12	0.0 33.2
CASE NO. 113 :: (0/ 50/ 50) :: TEN YR PROD= 1080::	NEWPORT : HAWTHORNE : MC ALESTER :	649.02 941.05 666.75	1 42	.15 : .30 :	0 • 0 33 • 1
CASE NO. 114 :: (0/50/25) :: TEN YR PROD= 810::	NEWPORT : HAWTHORNE : MC ALESTER :	629.96 920.24 647.83	1 42	.09 .26 .01	0 · 0 32 · 9
CASE NO. 115 :: (0/ 50/ 0) :: TEN YR PROD= 540:	NEWPORT : HAWTHORNE : MC ALESTER :	610.90 899.44 628.91	: 42	.05 .24 .97	0.0 32.8
CASE NO. 116 :: (0/ 25/100 / :: TEM YR PROD= 1350::	NEWPORT HAWTHORNE : MC ALESTER :	661.77 954.97 679.41	: 42	.19 .33 .09	**** 0 • 0 33 • 2
CASE NO. 117 :: (0/ 25/ 75/ :: TEN YR PROD= 1080::	NEWPORT :	642.71 934.16 660.49	1 42	.13 .29 .04	0 · 0 33 · 0
CASE NO. 118 :: (0/ 25/ 50) :: TEN YR PROD= 810::	NEWPORT : HAWTHORNE : MC ALESTER :	623.65 913.36 641.57	: 42	.08 : .25 :	0 · 0 32 · 9
CASE NO. 117 :: (0/ 25/ 25) :: TEN YR PROD= 540::	NEWPORT : HAWTHORNE : MC ALESTER :	604.59 892.55 622.65	1 42	.04 .23 .96	**** 0 • 0 32 • 7
CASE NO. 120 :: (0/ 25/ 0) :: TEN YR PROD= 270::	HAWTHORNE &	585.53 871.74 603.73	1 42	.02 : .21 :	0.0

RDX - HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 5% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

3	IDENTIFICATION	1 1	SITE	1	COST		SIGMA	1	RISK(%)	4
:	CASE NO. 121	::	NEWPORT	:	636.40		28.11	:	*****	
1	(0/ 0/100)	: :	HAWTHORNE	1	927.28		42.28	3	0.0	
1	TEN YR PROD= 1	080::	MC ALESTER	1	654.23	1	29.02	1	33.0	1
1	CASE NO. 122	::	NEWPORT	:	617.34		28.07	:	****	
3	(0/ 0/ 75)	1.1	HAWTHORNE	1	906.47	2	42.24	1	0.0	18
8	TEN YR PROD=	810::	MC ALESTER	1	635.31	1	28.98	:	32.8	1
1	CASE NO. 123	::	NEWPORT	:	598.28	1	28.03	:	****	
2	(0/ 0/ 50)	1 :	HAWTHORNE		885.66	1	42.22	:	0 • 0	
:	TEN YR PROD=	540:1	MC ALESTER		616.39	1	28.95	:	32.7	2
	CASE NO. 124	::	NEWPORT		579.22		28.01		*****	#
9	(0/ 0/ 25)	: :	HAWTHORNE		864.86		42.21	2	0.0	
1		270::	MC ALESTER	:	597.47		28.93	:	32.5	:
1	CASE NO. 125	: :	NEWPORT	1	560.16	it.	28.01	:	****	:
	(0/ 0/ 0)	: :	HAWTHORNE	1	844.05	2	42.20	1	0.0	
-8	TEN YR PROD=	0::	MC ALESTER	1	578.55	2	28.93	8	32.4	1

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RDX - HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /HISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0% MTLS= 0% UTLS= 5% LBR= 0% TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION	: SITE	:	CUST	:	SIGMA	1	RISK(%)
CASE NO. 1 (100/100/100) TEN YR PROD= 3600	: 1 HAWTHORNE	:	920.91 1244.79 942.96	:	30.16 43.87 31.03	:	0.0
	NEWPORT HAWTHORNE MC ALESTER	: : : : : : : : : : : : : : : : : : : :	902.18 1223.99 924.04	:	29.95 43.71 30.83	:	0 • 0 30 • 6
	NEWPORT HAWTHORNE MC ALESTER	:	883.45 1203.18 905.12	:	29.75 43.55 30.63	:	0 • 0 30 • 6
911110	NEWPORT HAWTHORNE MC ALESTER	:	864.72 1182.37 886.20	:	29.56 43.40 30.44	:	0 • 0 30 • 6
	NEWPORT HAWTHORNE MC ALESTER	1	845.99 1161.57 867.28	:	29.38 43.26 30.27	:	***** 0 • 0 30 • 7
	:: NEWPORT :: HAWTHORNE :: MC ALESTER	:	895.98 1217.10 917.78	:	29.88 43.65 30.76	:	0 • 0 30 • 6
	NEWPORT HAWTHORNE MC ALESTER	:	877.25 1196.29 898.86	:	29.68 43.50 30.57	:	0 • 0 30 • 6
	NEWPORT HAWTHORNE MC ALESTER	:	858.52 1175.49 879.94	[:	29.50 43.35 30.38	:	0 • 0 30 • 7
	NEWPORT HAWTHORNE HC ALESTER	:	839.79 1154.68 861.02	:	29.32 43.21 30.21	:	0 • 0 30 • 7
_	: HAWTHORNE	:	821.06 1133.87 842.10	:	29.15 43.08 30.05	:	0.0

COST /SENSITIVITY /HISK
INCREASE IN NEWPORT AAP COSTS
CONST= 0%, MTLS= 0% UTLS= 5%, LBR= 0%, TRANS= 0%
(COST IN \$MILLION DISCOUNTED AT 10%)
(QUANTITIES IN MILLIONS OF LBS.)

: IDENTIFICATION :	SITE	:	cost	:	SIGMA	:	RISK(%)	*
: CASE NO. 11 :: : (100/ 50/100) :: : TEN YR PROD= 3060::	NEWPORT HAWTHORNE MC ALESTER		871.05 1189.41 892.59	:	29.62 43.45 30.50	:	0.0	:
: CASE NO. 12 :: : (100/ 50/ 75) :: : TEN YR PROD= 2790::	NEWPORT HAWTHORNE MC ALESTER	:	852.32 1168.60 873.67	:	29.44 43.31 30.32	1	0.0	:
: CASE NO. 13 :: : (100/ 50/ 50) :: : TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	:	833,59 1147.79 854.75	:	29.26 43.17 30.15		0 • 0 30 • 7	:
: CASE NO. 14 :: : (100/ 50/ 25) :: : TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER	:	814.86 1126.99 835.83		29.10 43.04 30.00	:	0.0	:
: CASE NO. 15 :: : (100/ 50/ 0) :: : TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER	:	796.13 1106.18 816.91	:	28.95 42.93 29.85	:	0.0	:
: CASE NO. 16 :: : (100/ 25/100) :: : TEN YR PROD= 2790::	NEWPORT HAWTHORNE MC ALESTER	:	846.12 1161.71 867.41	:	29.38 43.26 30.27	:	0.0 30.7	:
: CASE NO. 17 :: : (100/ 25/ 75) :: : TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	:	827.39 1140.91 848.49	:	29.21 43.13 30.10		0 • 0 30 • 7	:
: CASE NO. 19 :: : (100/ 25/ 50) :: : TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER	: :	308.66 1120.10 829.57	1	29.05 43.00 29.94	:	0 • 0 30 • 8	:
: CASE NO. 17 :: : (100/ 25/ 25) :: : TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER	:	/89.93 1099.29 810.65	:	28.90 42.89 29.80		0.0	:
: CASE NO. 20 :: : (100/ 25/ 0) :: : TEN YR PROD= 1710::	NEWPORT HAWTHORNE MC ALESTER	:	771.20 1078.49 791.73	:	28.76 42.78 29.86	:	0 · 0 31 · 0	:

COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST= 0%, MTLS= 0% UTLS= 5%, LBR= 0%, TRANS= 0% (COST IN SMILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

	IDENTIFICATION :	SITE	:	COST		SIGMA	,	RISK(%)	
	CASE NO. 21 :: (100/ 0/100) ::	NEWPORT HAWTHORNE MC ALESTER	:	821.19	:	29.15 43.09 30.05		0.0	
:	CASE NO. 22 :: (100/ 0/ 75) :: TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER	-	802.46 1113.21 823.31		29.00 42.96 29.90	:	0 • 0 30 • 8	:
:	CASE NO. 23 :: (100/ 0/ 50) :: TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER		/83./3 1092.41 804.39	:	28.85 42.85 29.75	:	0.0	:
:	CASE NO. 24 :: (100/ 0/ 25) :: TEN YR PROD= 1710::	HAWTHORNE		765.00 1071.60 785.47	:	28.72 42.75 29.62	:	0 · 0 31 · 0	:
:	CASE NO. 25 :: (100/ 0/ 0) :: TEN YR PROD= 1440::	HAWTHORNE		/46.27 1050.79 766.55	:	28.60 42.65 29.50	:	0 • 0 31 • 1	:
		NEWPORT HAWTHORNE MC ALESTER	2	874.39 1193.11 895.96	:	29.65 43.48 30.54	\$ \$ \$	0.0	:
	CASE NO. 2/ :: (75/100/ 75) :: TEN YR PROD= 2970::	NEWPORT HAWTHORNE MC ALESTER		855.66 1172.30 877.04	:	29.4 <i>(</i> 43.33 30.36	1	0 • 0 30 • 7	:
	CASE NO. 28 :: (75/100/ 50) :: TEN YR PRUD= 2700::	NEWPORT HAWTHORNE MC ALESTER	:	836.93 1151.49 858.12	:	29.29 43.19 30.18	:	0.0 30.7	:
:		NEWPORT HAWTHORNE . MC ALESTER		818.19 1130.69 839.20	:	29.13 43.07 30.02	:	0.0	:
:	CASE NO. 30 :: (75/100/ 0) :: TEN YR PROD= 2160::		2	799.46 1109.88 820.28	:	28.97 42.95 29.87	:	0.0	:

RDX - HMX SITE SELECTION

FOUR LINE CAPACITY

COST /SENSITIVITY /HISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 5%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

	140AMILITES	IN HILLIONS	01 20001	
IDENTIFICATION :			SIGMA	RISK(%)
CASE NO. 31 (75/75/100) TEN YR PROD= 2970	NEWPORT :	849.46	29.41 43.28 30.30	0.0
CASE NO. 32 (75/ 75/ 75) TEN YR PPOD= 2700	HAWTHORNE : MC ALESTER :		29.24 43.15 30.13	0.0
CASE NO. 33 (75/ 75/ 50) TEN YR PROD= 2430	NEWPORT :	811,99 : 1123.80 : 832.94 :	29.08 43.02 29.97	0 · 0 30 · 8
CASE NO. 34 (75/ 75/ 25) TEN YR PROD= 2160	HAWTHORNE :	814.02 :	28.93 42.91 29.82	0 • 0 30 • 9
CASE NO. 35 (75/ 75/ 0) TEN YR PROD= 1890	: NEWPORT : HAWTHORNE :	774.53 : 1082.19 : 795.10 :	28.79 42.80 29.69	0 • 0 31 • 0
CASE NO. 36 (75/ 50/100) TEN YR PROD= 2700	! HAWTHORNE !	824.53 1137472 845.59	29.18 43.11 30.08	0.0
CASE NO. 37 (75/ 50/ 75) TEN YR PROD= 2430	HAWTHORNE : MC ALESTER :	805.79 : 1116.91 : 826.67 :	29.02 42.99 29.92	: 0.0 : 30.8
CASE NO. 38	NEWPORT : HAWTHORNE : MC ALESTER :	787.06 : 1096.11 : 807.75 :	28.88 42.87 29.78	: 0 · 0 : 30 · 9
CASE NO. 39 (75/ 50/ 25) TEN YR PROD= 1890	NEWPORT :	768.33 : 1075.30 : 788.83 :	28.14 42.77 29.65	: **** 0 • 0 31 • 0
	: NEWPORT : : HAWTHORNE : : MC ALESTER :	749.60 : 1054.49 : 769.91 :	28.62 42.67 29.52	: **** : 0 • 0 : 31 • 1

COSI /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST= 0%, MTLS= 0% UTLS= 5%, LBR= 0%, TRANS= 0%
(COST IN \$MILLION DISCOUNTED AT 10%)
(QUANTITIES IN MILLIONS OF LBS.)

- 10									
3	IDENTIFICATION :	SITE	•	COST		SIGMA		RISK(%)	1
:	CASE NO. 41 :: (75/ 25/100) :: TEN YR PROD= 2430::			799.60 1110.03 820.41	:	28.97 42.95 29.87	1	0 · 0 30 · 8	:
:	CASE NO. 42 :: (75/ 25/ 75) :: TEN YR PROD= 2160::		: :	/80.86 1089.22 801.49	:	28.83 42.84 29.73	:	0.0	:
:	CASE NO. 43 :: (75/ 25/ 50) :: TEM YR PROD= 1890::	HAWTHORNE	:	762.13 1068.41 782.57	:	28.70 42.73 29.60		0 · 0 31 · 0	:
	CASE NO. 44 :: (75/ 25/ 25) :: TEN YR PRUD= 1620::			743.40 1047.61 763.65	:	28.58 42.64 29.48	:	0.0 31.1	:
1	CASE NO. 45 :: (75/ 25/ 0/ :: TEN YR PRUD= 1350::	HAWTHORNE	:	724.67 1026.80 744.73	\$ \$ \$	28.47 42.56 29.38	1	0 · 0 31 · 2	:
8	CASE NO. 46 :: (75/ 0/100) :: TEN YR PROD= 2160::		1	774.67 1082.33 795.23	:	28.79 42.80 29.69		0.0	:
	CASE NO. 4/ :: (75/ 0/ 75) :: TEN YR PROD= 1890::		î	/55.93 1061.53 776.31	:	25,66 42,70 29,56	:	0 • 0 31 • 0	:
:	CASE NO. 40 :: (75/ 0/ 50) :: TEN YR PROD= 1620::	HAWTHORNE	:	737.20 1040.72 757.39	:	20.54 42.61 29.45	:	0.0 31.1	:
	CASE NO. 49 :: (75/ 0/25) :: TEN YR PROD= 1350::		:	718.47 1019.91 738.47	:	28.43 42.53 29.34	:	0.0 31.2	:
:	CASE NO. 50 :: (75/ 0/ 0) :: TEN YR PROD= 1080::	HAWTHORNE	:	699.74 999.11 719.55	:	28.34 42.46 29.25	:	0.0 31.3	:

COSI /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 5%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION ::	SITE	1	COST		SIGMA	1	RISK(%)	
CASE NO. 51 :: (50/100/100) TEN YR PROD= 2880::	NEWPORI HAWTHORNE MC ALESTER		827.86 1141.42 848.96	:	29.21 43.13 30.10	1	0.0	
CASE NO. 52 :: (50/100/ 75) :: TEN YR PROD= 2610::	NEWPORT HAWTHORNE MC ALESTER	:	809.13 1120.62 830.04	:	29.05 43.01 29.95	:	0 · 0 30 · 8	
CASE NO. 53 :: (50/100/50) :: TEN YR PROD= 2340:	NEWPORT HAWTHORNE MC ALESTER	:	790.40 1099.81 811.12	:	28.90 42.89 29.80	:	0.0	-
CASE NO. 54 :: (50/100/ 25) TEN YR PROD= 2070::	NEWPORT HAWTHORNE MC ALESTER	:	771.67 1079.00 792.20	:	28.11 42.78 29.67	:	0 • 0 31 • 0	
CASE NO. 55 :: (50/100/ 0) :: TEN YR PROD= 1800::	NEWPORT HAWTHORNE MC ALESTER	:	752.94 1058.20 773.28	:	28.64 42.69 29.54		0 • 0 31 • 1	
CASE NO. 56 :: (50/ 75/100) :: TEN YR PRUD= 2610:	NEWPORT HAWTHORNE MC ALESTER	:	802.93 1113.73 823.78	1	29.00 42.97 29.90	:	0.0	
CASE NO. 57 :: (50/75/75) :: TEN YR PROD= 2340:	NEWPORT HAWTHORNE MC ALESTER	:	784.20 1092.92 804.86	:	28.86 42.85 29.76	:	0.0	
CASE NO. 58 :: (50/ 75/ 50) :: TEN YR PROD= 2070::	NEWPORT HAWTHORNE MC ALESTER	:	765.47 1072.12 785.94	:	28.72 42.75 29.63	:	0 • 0 31 • 0	
CASE NO. 57 :: (50/ 75/ 25) :: TEN YR PROD= 1800::	NEWPORT HAWTHORNE MC ALESTER	:	746.74 1051.31 767.02	:	28.60 42.66 29.51	:	***** 0.0 31.1	
CASE NO. 60 :: (50/75/0) :: TEN YR PROD= 1530:	NEWPORT HAWTHORNE MC ALESTER	:	728.01 1030.50 748.10	:	28.49 42.57 29.40	:	***** 0.0 31.2	

COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST= 0%, MTLS= 0% UTLS= 5%, LBR= 0%, TRANS= 0%
(COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

	*								
4	: IDENTIFICATION ::	SITE		COST	*	SIGMA		RISK(%)	2
,	: CASE NO. 61 :: : (50/50/100) :: : TEN YR PROD= 2340::	NEWPOR! HAWTHORNE MC ALESTER		778.00 1086.03 798.60	:	28.81 42.82 29.71	:	0.0	:
	: CASE NO. 62 :: : (50/50/75) :: : TEN YR PROD= 2070::		:	759.27 1065.23 779.67	:	28.68 42.72 29.58	:	0 · 0 31 · 0	1 :
	: CASE NO. 63 :: : (50/50/50) :: : TEM YR PROD= 1800::	NEWPORT HAWTHORNE MC ALESTER	:	740.54 1044.42 760.75	:	28.56 42.63 29.47	:	0 · 0 31 · 1	:
	: CASE NO. 64 :: : (50/50/25) :: : TEN YR PROD= 1530::	NEWPORT HAWTHORNE MC ALESTER		721.81 1023.61 741.83	:	28.45 42.54 29.36	:	0.0	:
	: CASE NO. 65 :: : (50/50/0) :: : TEN YR PROD= 1260::		:	703.08 1002.81 722.91	:	28.36 42.47 29.27	:	0.0 31.3	:
	: CASE NO. 66 :: : (50/25/100) :: : TEN YR PROD= 2070::	NEWPORT HAWTHORNE MC ALESTER	:	753.07 1058.34 773.41	:	28.64 42.69 29.54	:	0 • 0 31 • 1	:
	: CASE NO. 67 :: : (50/25/75) :: : TEN YR PROD= 1800::	NEWPORT HAWTHORNE MC ALESTER	:	734.34 1037.53 754.49	:	28.52 42.60 29.43	:	0 · 0 31 · 1	:
	: CASE NO. 68 :: : (50/25/50) :: : TEN YR PROD= 1530::		:	715.61 1016.73 735.57	:	28.42 42.52 29.33	:	0.0 31.2	:
	: CASE NO. 69 :: : (50/ 25/ 25) :: : TEN YR PROD= 1260::	NEWPORT HAWTHORNE MC ALESTER	:	696.88 995.92 716.65	:	28.33 42.45 29.24	:	0.0 31.4	:
	: CASE NO. 70 :: : (50/25/0) :: : TEN YR PROD= 990::	NEWPORT HAWTHORNE MC ALESTER	:	678.15 975.11 697.73	:	28.25 42.38 29.16	:	0.0 31.5	:

COST /SENSITIVITY /HISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 5%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION	:: SIT	E .	COST	:	SIGMA	:	RISK(%)	
CASE NO. 71	: NEWPO	RT :	728.14		28.49	1	****	
	: HAWTH	ORNE :	1030.65	1	42.57	1	0.0	
TEN YR PROD= 180	Des MC ALI	ESTER :	748.23		29.40		31.2	
TEN IN PRODE 100					27.40		21.5	
CASE NO. 72	: NEWPO	RT :	709.41		28.39	:	****	
(50/ 0/ 75)	:: HAWTH	DRNE :	1009.84	2	42.49	1	0 • 0	
TEN YR PROD= 153	D: MC ALI	ESTER :	729.31	\$	29.30	:	31.3	
CASE NO. 73	: NEWPO	RT :	690.68	,	28.30	:	****	
(50/ 0/ 50)	:: HAWTH		989.03	2	42.42	2	0.0	
TEN YR PROD= 126	D: MC ALI	ESTER :	710.39	1	29.21	1	31.4	
CASE NO. 74	: NEWPO	RT :	671.95	9	28.22		****	
(50/ 0/ 25)	: HAWTH	ORNE :	968.23	:	42.37	:	0 • 0	
TEN YR PROD= 99	D:: MC ALI	ESTER :	691.47	1	29.14		31.5	
CASE NO. 75	:: NEWPO	RT :	653.22	1	28.16		*****	
(50/ 0/ 0)	: HAWTH		947:42		42.32		0.0	
TEN YR PROD= 72		ESTER :	672.55		29.07	- 1	31.6	
							31.0	
CASE NO. 76	:: NEWPOI	RT :	781.33	:	28.83		***	
(25/100/100)	: HAWTH	ORNE :	1089.74	\$	42.84		0.0	
TEN YR PROD= 252	:: MC ALI	ESTER :	801.96	:	29.74		30.9	
CASE NO. 7/	: NEWPOI	RT :	162.60	1	28.10	:	****	
	: HAWTH		1068.93	:	42.74	1	0.0	
TEN YR PROD= 225		ESTER :	783.04		29.61		31.0	
CASE NO. 78	: NEWPO	RT :	743.87		28.58	:	****	
(25/100/ 50)	11 HAWTH	ORNE :	1048.12	:	42.64	1	0.0	
TEN YR PROD= 198	DIE MC ALI	ESTER :	764.12	1	29.49		31.1	
CASE NO. 79	: NEWPO	RT :	725.14	1	28.41	:	*****	
(25/100/ 25)	I HAWTH		1027.32	:	42.56	7	0.0	
TEN YR PROD= 171		ESTER :	745.20		29,38	•	31.2	
			142.20		67,30		31.5	
CASE NO. 80	: NEWPO	RT I	706.41	:	28.37	:	****	
1 -5 12 - 5 1			1006.51		42.48	:	0.0	
(25/100/ 0) TEN YR PROD= 1440		011110	800097					

RDX - HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /HISK

INCREASE IN NEWPORT AAP COSTS
CONST= 0%, MTLS= 0% UTLS= 5%, LBR= 0%, TRANS= 0% (COST IN SMILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

: IDFNTIFICA	TION :	SITE	1	COST	:	SIGMA	:	RISK(%)	:
: CASE NO. : (25/ 75/1 : TEN YR PRO		NEWPOR! HAWTHORNE MC ALESTER		756.40 1062.04 776.78	:	28.66 42.70 29.57	:	0.0	:
: CASE NO. : (25/ 75/ : TEN YR PRO	75) 11	NEWPORT HAWTHORNE MC ALESTER	:	737.67 1041.24 757.86	:	28.54 42.61 29.45	:	0.0 31.1	:
: CASE NO. : (25/ 75/ : TEN YR PRO	50) ::	NEWPORT HAWTHORNE MC ALESTER	:	718.94 1020.43 738.94	8 8	28.44 42.53 29.35	:	0.0 31.2	
: CASE NO. : (25/ 75/ : TEN YR PRO	25/ ::	NEWPORT HAWTHORNE MC ALESTER	:	700.21 999.62 720.02	\$ \$ \$	28.34 42.46 29.25	:	0.0 31.3	:
: CASE NO. : (25/ 75/ : TEN YR PRO	07 :1	NEWPORT HAWTHORNE MC ALESTER	:	681.48 978.82 701.10	:	28.26 42.39 29.17	:	0 • 0 31 • 5	:
: CASE NO. : (25/ 50/1 : TEN YR PRO	00) ::	HAWTHORNE	:	731.47 1034.35 751.60	:	28.51 42.58 29.42	:	0 • 0 31 • 2	:
: CASE NO. : (25/ 50/ : TEN YR PRO	75) :1		:	712.74 1013.54 732.68	: :	28.40 42.51 29.32	:	0.0 31.3	1
: CASE NO. : (25/ 50/ : TEN YR PRO	50) ::		:	694.01 992.74 713.75	:	28.31 42.44 29.23	:	0 • 0 31 • 4	:
: CASE NO. : (25/ 50/ : TEN YR PRO	25) 11		:	675.28 971.93 694.83	:	28.23 42.38 29.15	:	0.0 31.5	:
: CASE NO. : (25/ 50/ : TEN YR PRO	0) ::	NEWPORT HAWTHORNE MC ALESTER	:	656.55 951.12 675.91	:	28.17 42.32 29.08	:	0.0	1

COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST= 0%, MTLS= 0% UTLS= 5%, LBR= 0%, TRANS= 0%
(COST IN \$MILLION DISCOUNTED AT 10%)
(QUANTITIES IN MILLIONS OF LBS,)

	(QUANITITES	IN MILLIONS	OF FRE')	
IDENTIFICATION :	SITE !	COST	SIGMA	RISK(%)
CASE NO. 91 :: (25/ 25/100) :: TEN YR PROD= 1710::	NEWPORT : HAWTHORNE : MC ALESTER :	706.54 : 1006.66 : 726.41 :	28.37 42.48 29.28	0.0
GASE NO. 92 :1 (25/ 25/ 75) :1 TEN YR PROD= 1440:1	NEWPORT : HAWTHORNE : MC ALESTER :	68/.81 : 985.85 : 707.49 :	28.29 42.42 29.20	0.0
CASE NO. 93 :: (25/ 25/ 50) :: TEN YR PROD= 1170::	NEWPORT : HAWTHORNE : MC ALESTER :	669.08 : 965.04 : 688.57 :	28,21 42,36 29,13	i 0.0 i 31.5
CASE NO. 94 :: (25/ 25/ 25) :: TEN YR PROD= 900:	NEWPORT : HAWTHORNE : MC ALESTER :	650.35 : 944.24 : 669.65 :	28.15 42.31 29.06	î 0.0 1 31.7
CASE NO. 95 :: (25/ 25/ 0) :: TEN YR PROD= 630::	NEWPORT : HAWTHORNE : MC ALESTER :	631.62 : 923.43 : 650.73 :	28.10 42.27 29.01	0.0
CASE NO. 96 :: (25/ 0/100) :: TEN YR PROD= 1440::	NEWPORT : HAWTHORNE : MC ALESTER :	681.61 : 978.96 : 701.23 :	28.26 42.40 29.17	0 · 0 31 · 5
CASE NO. 9/ :1 (25/ 0/ 75) :1 TEN YR PROD= 1170:1	NEWPORT : HAWTHORNE : MC ALESTER : .	662.88 ; 958.16 ; 682.31 ;	28.19 42.34 29.10	0 · 0 31 · 6
CASE NO. 98 :: (25/ 0/ 50) :: TEN YR PROD= 900::	NEWPORT : HAWTHORNE : MC ALESTER :	644.15 : 937.35 : 663.39 :	28.13 42.29 29.05	0 · 0 31 · 7
CASE NO. 99 :: (25/ 0/ 25) :: TEN YR PROD= 630::	NEWPORT : HAWTHORNE : MC ALESTER :	625.42 ! 916.54 ! 644.47 !	28.08 42.26 29.00	: **** : 0.0 : 31.9
CASE NO. 100 :: (25/ 0/ 0) :: TEN YR PROD= 360::	NEWPORT : HAWTHORNE : MC ALESTER :	606.69 1 895.74 1 625.55 1	28.05 42.23 28.96	: **** : 0.0 : 32.0

RDX - HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 5%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

: IDENTIFICATION ::	SITE	:	COST	:	SIGMA	1	RISK(%)	:
: CASE NO. 101 :: : (0/100/100) :: : TEN YR PROD= 2160::	NEWPORT HAWTHORNE MC ALESTER		734.80 1038.05 754.96	:	28.53 42.60 29.43	:	0.0	:
: CASE NO. 102 :: : (0/100/ 75) :: : TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	:	716.07 1017.24 736.04	:	28.42 42.52 29.33	:	0.0 31.2	:
: CASE NO. 103 :: : (0/100/ 50) :: : TEN YR PROD= 1620;	NEWPORT HAWTHORNE MC ALESTER	:	697.34 996.44 717.12	1	28.33 42.45 29.24	:	0.0 31.4	:
: CASE NO. 104 :: : (0/100/ 25) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	:	678.61 975.63 698.20	:	28.25 42.39 29.16	:	0.0 31.5	:
: CASE NO. 105 :: : (0/100/ 0) :: : TEN YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER	: :	659.88 954.83 679.28	:	28.18 42.33 29.09	:	0.0 31.6	:
: CASE NO. 106 :: : (0/ 75/100) :: : TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	1	709.87 1010.36 729.78	:	28.39 42.49 29.30	:	0 • 0 31 • 3	:
: CASE NO. 107 :: : (0/ 75/ 75) :: : TEN YR PROD= 1620:	NEWPORT HAWTHORNE MC ALESTER	:	691.14 989.55 710.86	:	28.30 42.43 29.21	:	0.0 31.4	:
: CASE NO. 108 ;: : (0/ 75/ 50) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	:	672.41 968.74 691.94	:	28.22 42.37 29.14	:	0.0 31.5	1
: CASE NO. 107 :3 : (0/ 75/ 25) :3 : TEN YR PPOD= 1080:3	NEWPORT HAWTHORNE MC ALESTER	:::::::::::::::::::::::::::::::::::::::	653.68 947.94 673.02	i	28.10 42.32 29.07	:	0.0 31.6	:
: CASE NO. 110 :: : (0/ 75/ 0) :: : TEN YR PROD= 810::	NEWPORT HAWTHORNE MC ALESTER	:	634.95 927.13 654.10	:	28.10 42.28 29.02	:	0.0 31.8	:

RDX - HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /RISK INCREASE IN NEWPORT AAP COSTS

INCREASE IN NEWPORT AAP COSTS

CONST = 0%, MTLS = 0% UTLS = 5%, LBR = 0%, TRANS = 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

#								#
: IDENTIFICATION	SITE	1	COST		SIGMA		RISK(%)	8
: CASE NO. 111	: NEWPORT		684.94	• • • • •	20 27		****	
	: HAWTHORNE	1	982.66	1	28.27	,	0 • 0	
: TEN YR PROD= 1620		*	704.60		29.19		31.4	
#			104.00		C7017		2104	
: CASE NO. 112	:: NEWPORT	2	666.21	1	28.20	*	****	I
	: HAWTHORNE	1	961.86	1	42.35	2	0.0	
: TEN YR PROD= 1350	## MC ALESTER	:	685.68		29.12	2	31.6	8
: CASE NO. 113	: NEWPORT	:	647.48	1	28.14	:	****	1
	HAWTHORNE	1	941.05		42.30	ī	0 • 0	2
: TEN YR PROD= 1080		-	666.75	1	29.05	1	31.7	:
*								+
	: NEWPORT	1	628.75	2	28.09	1	****	2
	: HAWTHORNE	8	920.24	2	42.26	8	0.0	
: TEN YR PROD= 810	: MC ALESTER	1	647.83	2	29.01		31.8	
2 CASE NO. 115	: NEWPORT	:	610.02	1	28.05	:	****	1
	HAWTHORNE	ī	899.44	2	42.24	2	0 • 0	2
TEN YR PROD= 540		8	628.91	2	28.97		32.0	1
*								*
	: NEWPORT	:	660.01	8	28.18	3	****	:
	:: HAWTHORNE	1	954.97	8	42.33	\$	0.0	:
: TEN YR PROD= 1350	: MC ALESTER	1	679.41	1	29.09		31.6	
: CASE NO. 117	: NEWPORT	;	641.28	:	28.12	:	****	:
1 (0/ 25/ 75)	:: HAWTHORNE	1	934.16	2	42.29	3	0.0	1
: TEN YR PROD= 1080	: MC ALESTER	1	660.49	2	29.04		31.7	8
: CASE NO. 118	: NEWPORT	1	622.55		28.07		****	#
	HAWTHORNE	1	913.36		42.25	9	0.0	
TEN YR PROD= 810			641.57	1	28.99	2	31.9	2
*								+
	. NEWPORT		603.82	8	28.04	•	****	2
(0/ 25/ 25)	: HAWTHORNE	8	892.55	2	42.23	8	0 • 0	1
TEN YR PROD= 540	: MC ALESTER		622.65	:	28.96	1	32.0	1
: CASE NO. 120	: NEWPORT	1	585.09	:	28.02	:	****	
: (0/ 25/ 0)	:: HAWTHORNE	1	871.74	8	42.21		0.0	
: TEN YR PROD= 270	## MC ALESTER	1	603.73	2	28.94	2	32.2	2

COST /SENSITIVITY /RISK

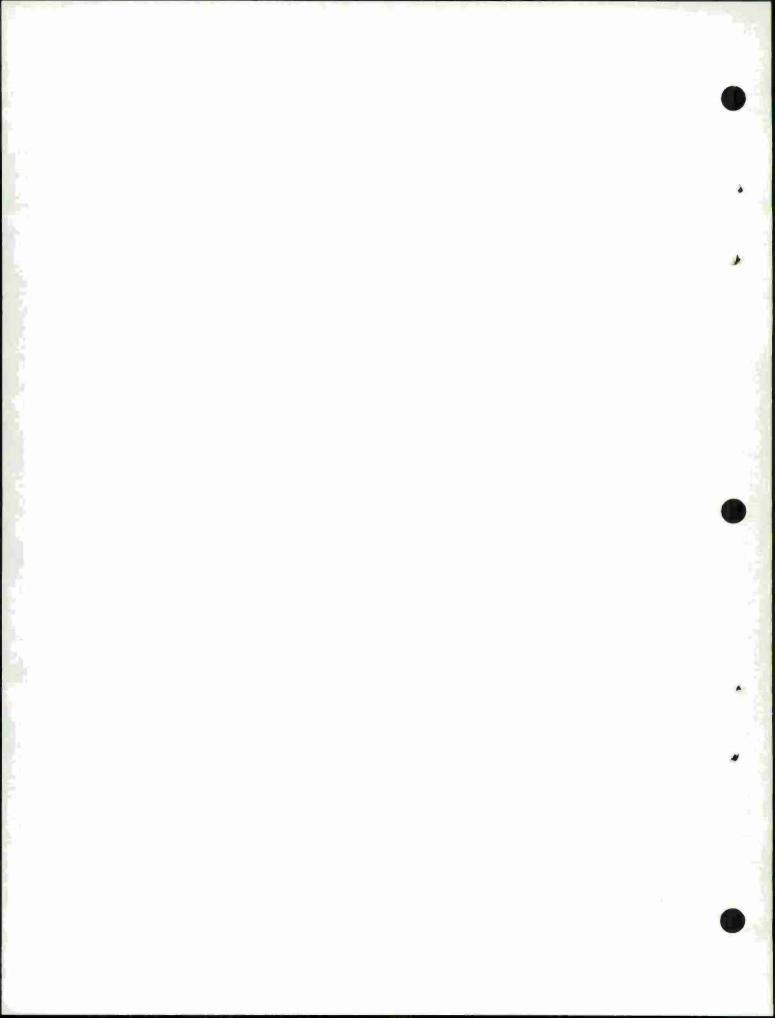
INCREASE IN NEWPORT AAP COSTS

CONST= 0% MTLS= 0% UTLS= 5% LBR= 0% TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATIO	N 1.1	SITE	<u> </u>	COST	,	SIGMA	1	RISK(%)	8
CASE NO. 121	11	NEWPORT	1	635.08	1	28.10		*****	• • •
(0/ 0/100)	1.1	HAWTHORNE		927.28	3.	42.28	1	0.0	
TEN YR PROD=	1080::	MC ALESTER	4	654.23	1	29.02	1	31.8	1
CASE NO. 122	: 1	NEWPORT	1	616.35		28.06	1	****	:
(0/ 0/ 75)	2.2	HAWTHORNE	1	906.47	- 2	42.24	1	0.0	2
TEN YR PROD=	810::	MC ALESTER	1	635.31	1	28.98	8	31.9	1
CASE NO. 123	1 !	NEWPORT	:	591.62	:	28.03	;	****	:
(0/ 0/ 50)		HAWTHORNE	1	885.66	8	42.22	1	0.0	1
TEN YR PRODE	54011	MC ALESTER	1	616.39	3	28.95	1	32.1	
CASE NO. 124	::	NEWPORT	:	578.89	;	28.01	;	****	1
(0/ 0/ 25)	: :	HAWTHORNE	1	864.86	3	42.21	:	0.0	1
TEN YR PROD=	270::	MC ALESTER	3	597.47	1	28.93	8	32.2	1
CACE NO. 125		NEWDODT		540 14		20.01		****	4
CASE NO. 125		NEWPORT		560.16	1	28.01			1
(0/ 0/ 0)	: 1	HAWTHORNE		844.05	8.	42.20		0.0	1
TEN YR PROD=	0::	MC ALESTER	6	578.55	- 1	28.93	- 1	32.4	- 7



COSI /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 5%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

: IDENTIFICATION ::	SITE !	cost	: SIGMA	; RISK(%)	1
: CASE NO. 1 :: : (100/100/100) :: : TEN YR PROD= 3600::	NEWPOR! : HAWTHORNE : MC ALESTER :	920.32 1244.79 942.96	: 30.15 : 43.87 : 31.03	0.0	:
: CASE NO. 2 :: : (100/100/ 75) :: : TEN YR PROD= 3330::	NEWPORT : HAWTHORNE : MC ALESTER :	901.62 1223.99 924.04	: 29.94 : 43.71 : 30.83	0 · 0 30 · 1	:
: CASE NO. 3 :: : (100/100/ 50) :: : TEN YR PROD= 3060::	NEWPORT : HAWTHORNE : MC ALESTER :	882.92 1203.18 905.12	: 29.74 : 43.55 : 30.63	;	:
: CASE NO. 4 :: : (100/100/ 25) :: : TEN YR PROD= 2790::	NEWPORT : HAWTHORNE : MC ALESTER :	864.22 1182.37 886.20	: 29.55 : 43.40 : 30.44	0 • 0 30 • 2	:
: CASE NO. 5 :: : (100/100/ 0) :: : TEN YR PROD= 2520::	NEWPORT : HAWTHORNE : MC ALESTER :	845.52 1161.57 867.28	: 29.37 : 43.26 : 30.27	0 · 0 30 · 3	:
: CASE NO. 6 :: : (100/ 75/100) :: : TEN YR PROD= 3330::	NEWPORT : HAWTHORNE : MC ALESTER :	895.43 1217.10 917.78	: 29.87 : 43.65 : 30.76	0 · 0 30 · 1	:
: CASE NO. 7 :: : (100/ 75/ 75) :: : TEN YR PROD= 3060::	NEWPORT : HAWTHORNE : MC ALESTER :	676.73 1196.29 898.86	: 29.68 : 43.50 : 30.57	30 • 2	:
: CASE NO. 5 :: : (100/ 75/ 50) :: : TEN YR PROD= 2790::	NEWPORT : HAWTHORNE : MC ALESTER :	d58.03 1175.49 879.94	29.49 43.35 30.38	0 · 0 30 · 2	:
: CASE NO. 7 :: : (100/ 75/ 25) :: : TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	839.33 1154.68 861.02	29.31 : 43.21 : 30.21	0.0	:
: CASE NO. 10 :: : (100/ 75/ 0) :: : TEN YR PROD= 2250:	NEWPORT : HAWTHORNE : MC ALESTER :	820.63 1133.87 842.10	29.15 43.08 30.05	3 0 0 0 3 30 4	:

ROX = MMX SITE SELECTION
FOUR LINE CAPACITY
COST /SENSITIVITY /MISK
INCREASE IN NEWPORT AAP COSTS
CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 5%, TRANS= 0%
(COST IN \$MILLION DISCOUNTED AT 10%)
(QUANTITIES IN MILLIONS OF LBS.)

*								
: IDENTIFICATION ::	SITE	1	COST	1	SIGMA	1	RISK(%)	1
: CASE NO. 11 :: : (100/ 50/100) :: : TEN YR PROD= 3060::		:	870.54 1189.41 892.59	:	29.61 43.45 30.50		0.0	:
: CASE NO. 12 :: : (100/ 50/ 75) :: : TEN YR PROD= 2790::	NEWPORT HAWTHORNE MC ALESTER	:	851.84 1168.60 873.67	:	29.43 43.31 30.32	:	0 · 0 30 · 3	:
: CASE NO. 13 :: : (100/ 50/ 50) :: : TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	:	833.14 1147.79 854.75	:	29.26 43.17 30.15	:	0.0	:
1 CASE NO. 14 :: : (100/ 50/ 25) :: : TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER	:	814.44 1126.99 835.83	:	29.10 43.04 30.00		0.0	:
: CASE NO. 15 :: : (100/ 50/ 0) :: : TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER	:	795.75 1106.18 816.91	:	28.94 42.93 29.85	:	0 · 0 30 • 5	:
: CASE NO. 16 :: : (100/ 25/100) :: : TEN YR PROD= 2790::	NEWPORT HAWTHORNE MC ALESTER	:	845.65 1161.71 867.41	:	29.37 43.26 30.27	:	0.0	:
: CASE NO. 17 :: : (100/ 25/ 75) :: : TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	:	826.95 1140.91 848.49	:	29.20 43.13 30.10	:	0 • 0 30 • 4	:
: CASE NO. 18 :: : (100/ 25/ 50) :: : TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER	1 1	808.26 1120.10 829.57	:	29.04 43.00 29.94	:	0.0	:
: CASE NO. 17 :: : (100/ 25/ 25) :: : TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER	:	789.56 1099.29 810.65	1	28.90 42.89 29.80	:	0.0	:
: CASE NO. 20 :: : (100/25/0) :: : TEN YR PROD= 1710::	NEWPORT HAWTHORNE MC ALESTER	:	770.86 1078.49 791.73	:	28.76 42.78 29.66	:	0.0	:

#												
: 10	ENTIFI	CATIO	N	: 1	SITE	1	COST		SIGMA	1	RISK (%)	2
: (1	SE NO. 00/ 0 N YR P	/100)		:: }	NEWPORT HAWTHORNE IC ALESTER		820.76 1134.02 842.23	:	29.15 43.09 30.05	:	0.0	:
: ()	SE NO. 00/ 0 N YR P	/ 75)		:: 1	NEWPORT HAWTHORNE 4C ALESTER	:	802.07 1113.21 823.31	:	28.99 42.96 29.90	:	0.0	:
1 ()	SE NO. 00/ 0 N YR P	/ 50)		: 1 1	NEWPORT HAWTHORNE IC ALESTER	:	783.37 1092.41 804.39	:	28.85 42.85 29.75	:	0.0	:
1 (1	SE NO. 00/ 0 N YR P	/ 251		: 1	NEWPORT HAWTHORNE MC ALESTER	:	/64.67 1071.60 785.47	:	28.72 42.75 29.62	\$ \$ \$	0 · 0 30 · 7	:
: (1	SE NO. 00/ 0 N YR P	/ 0)		:: }	NEWPORT HAWTHORNE IC ALESTER	:	/45.97 1050.79 766.55	1	28.59 42.65 29.50	:	0 • 0 30 • 8	:
: (SE NO. 75/100 N YR P	/1001		:: 1		:	873.87 1193.11 895.96	1	29.65 43.48 30.54	1 1	0.0	:
: (SE NO. 75/100 N YR P	/ 751		: 1 :	NEWPORT HAWTHORNE AC ALESTER	:	855.17 1172.30 877.04	:	29.46 43.33 30.36	:	0 • 0 30 • 3	:
: (SE NO. 75/100	/ 501		:: +	NEWPORT HAWTHORNE IC ALESTER	:	836.47 1151.49 858.12	:	29.29 43.19 30.18	:	0.0	:
: (SE NO. 75/100	/ 251		:: +	NEWPORT NAWTHORNE NC ALESTER	:	817.77 1130.69 839.20	:	29.12 43.07 30.02		0.0	!
: (SE NO. 75/100	/ 01		:: h	NEWPORT HAWTHORNE AC ALESTER	:	/99.07 1109.88 820.28	:	20.91 42.95 29.87	:	0.0	:

RDX - HMX SITE SELECTION

FOUR LINE CAPACITY

COST /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 5%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION	: SITE	 !	COST		SIGMA	:	RISK(%)	
	NEWPORT HAWTHORNE HC ALESTER		848.98 1165.41 870.78	:	29.40 43.28 30.30	:	0.0	•
CÁSE NO. 32 (75/ 75/ 75) TEN YR PROD= 270		1	830.28 1144.61 851.86	:	29.23 43.15 30.13	: : : : : : : : : : : : : : : : : : : :	0.0 30.4	
CASE NO. 33 (75/ 75/ 50) TEN YR PROD= 2430	:: NEWPORT :: HAWTHORNE):: MC ALESTER	:	811.58 1123.80 832.94	:	29.07 43.02 29.97	:	0.0 30.5	
CASE NO. 34 (75/ 75/ 25) TEN YR PROD= 216	NEWPORT HAWTHORNE CALESTER	1	792.88 1102.99 814.02	! :	28.92 42.91 29.82	:	0.0 30.5	
CASE NO. 35 (75/ 75/ 0) TEN YR PROD= 1890	NEWPORT HAWTHORNE HC ALESTER	:	/74.18 1082.19 795.10	:	28.78 42.80 29.69	: 	0 • 0 30 • 7	
CASE NO. 36 (75/ 50/100) TEN YR PROD= 2700	:: NEWPORT :: HAWTHORNE):: MC ALESTER	:	824.09 1137.72 845.59	1	29.18 43.11 30.08	8	0 • 0 30 • 4	
CASE NO. 3' (75/ 50/ 75) TEN YR PROD= 243(NEWPORT HAWTHORNE HC ALESTER	:	826.67	:	29.02 42.99 29.92	•	0.0 30.5	
CASE NO. 38 (75/ 50/ 50) TEN YR PROD= 216	:: NEWPORT :: HAWTHORNE):: MC ALESTER	:	786.69 1096.11 807.75	:	28.88 42.87 29.78	:	0.0 30.6	
CASE NO. 39 (75/ 50/ 25) TEN YR PROD= 1890	:: NEWPORT :: HAWTHORNE):: MC ALESTER	:	767.99 1075.30 788.83	:	28.74 42.77 29.65	\$ \$	0 · 0 30 · 7	
CASE NO. 40 (75/ 50/ 0) TEN YR PROD= 1620	: NEWPORT : HAWTHORNE D: MC ALESTER	:	/49.29 1054.49 769.91	:	28.62 42.67 29.52	:	0 · 0 30 · 8	_

RDX - HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /KISK

CASE NO. 41	IDENTIFICATION ::	SITE	1	COST	1	SIGMA	1	RISK(%)	1
(75/ 25/ 75)	CASE NO. 41 :: (75/ 25/100) ::	NEWPORT HAWTHORNE	1	799.20 1110.03		42.95	:		:
1 (75/ 25/ 50)	1 (75/ 25/ 75) 11	HAWTHORNE		1089.22	1	42.84	: :	0.0	3
: (75/ 25/ 25) :: HAWTHORNE : 1047.61 : 42.64 : 0.0 : TEN YR PROD= 1620: MC ALESTER : 763.65 : 29.48 : 30.8 : CASE NO. 45 :: NEWPORT : 724.40 : 28.47 : ***** (75/ 25/ 0) :: HAWTHORNE : 1026.80 : 42.56 : 0.0 TEN YR PROD= 1350: MC ALESTER : 744.73 : 29.38 : 31.0 : CASE NO. 46 :: NEWPORT : 774.31 : 29.38 : 31.0 : CASE NO. 46 :: NEWPORT : 774.31 : 28.78 : ***** : (75/ 0/100) :: HAWTHORNE : 1082.33 : 42.80 : 0.0 : TEN YR PROD= 2160: MC ALESTER : 795.23 : 29.69 : 30.7 : CASE NO. 4/ :: NEWPORT : 755.61 . 28.66 : ***** : (75/ 0/75) :: HAWTHORNE : 1061.53 : 42.70 : 0.0 : TEN YR PROD= 1890: MC ALESTER : 776.31 : 29.56 : 30.8 : CASE NO. 45 : NEWPORT : 736.91 : 28.54 : ***** : (75/ 0/50) :: HAWTHORNE : 1040.72 : 42.61 : 0.0 : TEN YR PROD= 1620: MC ALESTER : 757.39 : 29.45 : 30.9 : CASE NO. 45 : NEWPORT : 718.22 : 28.43 : **** : (75/ 0/25) :: HAWTHORNE : 1019.91 : 42.53 : 0.0 : TEN YR PROD= 1350: MC ALESTER : 738.47 : 29.34 : 31.0	1 (75/ 25/ 50) 11	HAWTHORNE	-	1068.41	:	42.73	:	0 • 0	1 1
TEN YR PROD= 1350; HAWTHORNE : 1026.80 : 42.56 : 0.0 TEN YR PROD= 1350; MC ALESTER : 744.73 : 29.38 : 31.0 TEN YR PROD= 2160; HAWTHORNE : 1082.33 : 42.80 : 0.0 TEN YR PROD= 2160; MC ALESTER : 795.23 : 29.69 : 30.7 TEN YR PROD= 2160; MC ALESTER : 795.23 : 29.69 : 30.7 TEN YR PROD= 1890; MC ALESTER : 76.31 : 29.66 : 40.00 TEN YR PROD= 1890; MC ALESTER : 776.31 : 29.56 : 30.8 TEN YR PROD= 1890; MC ALESTER : 776.31 : 29.56 : 30.8 TEN YR PROD= 1620; MC ALESTER : 757.39 : 29.45 : 30.9 TEN YR PROD= 1620; MC ALESTER : 757.39 : 29.45 : 30.9 TEN YR PROD= 1620; MC ALESTER : 757.39 : 29.45 : 30.9 TEN YR PROD= 1350; MC ALESTER : 738.47 : 29.34 : 31.0 TEN YR PROD= 1350; MC ALESTER : 738.47 : 29.34 : 31.0 TEN YR PROD= 1350; MC ALESTER : 738.47 : 29.34 : 31.0	1 (75/ 25/ 25)	HAWTHORNE	-	1047.61	3	42.64	3	0.0	1 1
: (75/ 0/100) :: HAWTHORNE : 1082.33 : 42.80 : 0.0 : TEN YR PROD= 2160: MC ALESTER : 795.23 : 29.69 : 30.7 : CASE NO. 4/ :: NEWPORT : 755.61 . 28.66 : **** : (75/ 0/75) :: HAWTHORNE : 1061.53 : 42.70 : 0.0 : TEN YR PROD= 1890: MC ALESTER : 776.31 : 29.56 : 30.8 : CASE NO. 45 : NEWPORT : 736.91 : 28.54 : **** : (75/ 0/50) :: HAWTHORNE : 1040.72 : 42.61 : 0.0 : TEN YR PROD= 1620: MC ALESTER : 757.39 : 29.45 : 30.9 : CASE NO. 45 : NEWPORT : 718.22 : 28.43 : **** : (75/ 0/25) :: HAWTHORNE : 1019.91 : 42.53 : 0.0 : TEN YR PROD= 1350: MC ALESTER : 738.47 : 29.34 : 31.0	(75/25/0) ::	HAWTHORNE		1026.80	8	42.56	:	0 • 0	1 1
! (75/ 0/75) !! HAWTHORNE ! 1061.53 : 42.70 ! 0.0 ! TEN YR PROD= 1890: MC ALESTER ! 776.31 : 29.56 : 30.8 ! CASE NO. 45 !! NEWPORT ! 736.91 ! 28.54 ! **** ! (75/ 0/50) !! HAWTHORNE ! 1040.72 ! 42.61 ! 0.0 ! TEN YR PROD= 1620:! MC ALESTER ! 757.39 ! 29.45 : 30.9 ! CASE NO. 49 !! NEWPORT ! 718.22 ! 28.43 ! **** ! (75/ 0/25) !! HAWTHORNE ! 1019.91 ! 42.53 ! 0.0 ! TEN YR PROD= 1350:! MC ALESTER : 738.47 ! 29.34 ! 31.0	: (75/ 0/100) ::	HAWTHORNE	0	1082.33	1	42.80	3 2 2	0.0	1
I (75/ 0/50) : HAWTHORNE I 1040.72 I 42.61 I 0.0 I TEN YR PROD= 1620: MC ALESTER I 757.39 I 29.45 I 30.9 I CASE NO. 49 I NEWPORT I 718.22 I 28.43 I **** I (75/ 0/25) : HAWTHORNE I 1019.91 I 42.53 I 0.0 I TEN YR PROD= 1350: MC ALESTER I 738.47 I 29.34 I 31.0 I CASE NO. 50 I NEWPORT I 699.52 I 28.34 I *****	1 (75/ 0/ 75) 11	HAWTHORNE		1061.53		42.70	3	0.0	:
: (75/ 0/ 25) :: HAWTHORNE : 1019.91 : 42.53 : 0.0 : TEN YR PROD= 1350:: MC ALESTER : 738.47 : 29.34 : 31.0	(75/ 0/ 50) :1	HAWTHORNE		1040.72	1	42.61	i i	0.0	:
	(75/ 0/ 25) :1	HAWTHORNE		1019.91	3	42.53	:	0.0	:
: TEN YR PROD= 1080:: MC ALESTER: 719.55 : 29.25 : 31.1	(75/ 0/ 0) ::	HAWTHORNE		999.11		42.46	:	0.0	:

RDX - HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /RISK INCREASE IN NEWPORT AAP COSTS CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 5%, TRANS= 0% (COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

: IDENTIFICATION ::	SITE	1 0	UST :	SIGMA		RISK(%)	*
CASE NO. 51 :: (50/100/100) :: TEN YR PROD= 2880::		: 114	7.42 : 1.42 : 8.96 :	29.21 43.13 30.10	1	0.0	:
: CASE NO. 52 :: : (50/100/75) :: : TEN YR PROD= 2610::	NEWPORT HAWTHORNE MC ALESTER	i 112	8./2 0.62 0.04	29.05 43.01 29.95	: :	0 • 0 30 • 5	: :
CASE NO. 53 :: (50/100/ 50) :: TEN YR PROD= 2340::	NEWPORT HAWTHORNE MC ALESTER	1 109	0.02 9.81 1.12	28.90 42.89 29.80	<u>:</u> :	0 • 0 30 • 6	: :
: CASE NO. 54 :: : (50/100/ 25) :: : TEN YR PROD= 2070::	HAWTHORNE	1 107	1.32 9.00 2.20	28.16 42.78 29.67	:	0 • 0 30 • 7	
: CASE NO. 55 :: : (50/100/ 0) :: : TEN YR PROD= 1800::		1 105	2.62 8.20 3.28	28.64 42.69 29.54	:	0 • 0 30 • 8	:
: CASE NO. 50 :: : (50/75/100) :: : TEN YR PROD= 2610::		: 111	2.53 : 3.73 : 3.78 :	29.00 42.97 29.90	: :	0 • 0 30 • 5	: :
: CASE NO. 5/ 1: : (50/75/75) :: : TEN YR PROD= 2340::		1 109	3.83 2.92 4.86	28.85 42.85 29.76	:	0 • 0 30 • 6	:
: CASE NO. 58 :: : (50/75/50) :: : TEN YR PROD= 2070::		: 107	5.13 : 2.12 : 5.94 :	28.72 42.75 29.63	:	0 • 0 30 • 7	: :
: CASE NO. 57 :: : (50/75/25) :: : TEN YR PROD= 1800::		1 105	6.43 1.31 : 7.02 :	28.60 42.66 29.51	:	0 • 0 30 • 8	: :
: CASE NO. 60 :: : (50/75/0) :: : TEN YR PROD= 1530::	NEWPORT HAWTHORNE MC ALESTER	: 103	7.73 : 0.50 : 8.10 :	28.49 42.57 29.40	:	0.0 30.9	: :

IDENTIFICATION :	SITE	1	COST	1	SIGMA	1	RISK(%)	1
CASE NO. 61 :: (50/50/100) :: TEN YR PROD= 2340::			777.64 1086.03 798.60	:	28.81 42.82 29.71	:	0.0	:
CASE NO. 62 :: (50/ 50/ 75) :: TEN YR PROD= 2070::	HAWTHORNE		758.94 1065.23 779.67	:	28.68 42.72 29.58	:	0.0 30.7	:
CASE NO. 63 :: (50/50/50) :: TEN YR PROD= 1800::			740.24 1044.42 760.75	:	28.56 42.63 29.47	\$ 2 2	0.0	:
CASE NO. 64 :: (50/50/25) :: TEN YR PROD= 1530::			/21.54 1023.61 741.83	2 2 2	28.45 42.54 29.36	i i i	0.0	:
CASE NO. 65 :: (50/50/0) :: TEN YR PROD= 1260::			702.84 1002.81 722.91	\$ \$	28.36 42.47 29.27	:	0.0 31.1	:
CASE NO. 66 :: (50/ 25/100) :: TEN YR PROD= 2070::			/52./5 1058.34 773.41	t 1	20.64 42.69 29.54	:	0.0 30.8	:
CASE NO. 6/ :3 (50/ 25/ 75) :3 TEM YR PROD= 1800:3	NEWPORT HAWTHORNE MC ALESTER	:	734.05 1037.53 754.49	:	28.52 42.60 29.43		0.0	:
CASE NO. 60 :: (50/25/50) :: TEN YR PROD= 1530::	NEWPORT HAWTHORNE MC ALESTER	:	715.35 1016.73 735.57	:	20.42 42.52 29.33	:	0 • 0 31 • 0	:
CASE NO. 69 :: (50/25/25) :: TEN YR PROD= 1260::		-	696.65 995.92 716.65	;	28.33 42.45 29.24	:	0.0 31.2	:
CASE NO. 70 :: (50/25/0) :: TEM YR PROD= 990::	NEWPORT HAWTHORNE MC ALESTER	:	677.95 975.11 697.73	:	28.25 42.38 29.16	:	0 · 0 31 · 3	: :
	CASE NO. 61 (50/ 50/100) TEN YR PROD= 2340: CASE NO. 62 (50/ 50/ 75) TEN YR PROD= 2070: CASE NO. 63 (50/ 50/ 50) TEN YR PROD= 1800: CASE NO. 64 (50/ 50/ 25) TEN YR PROD= 1530: CASE NO. 65 (50/ 50/ 0) TEN YR PROD= 1260: CASE NO. 66 (50/ 25/100) TEN YR PROD= 2070: CASE NO. 66 (50/ 25/100) TEN YR PROD= 1800: CASE NO. 66 (50/ 25/75) TEN YR PROD= 1800: CASE NO. 67 (50/ 25/ 50) TEN YR PROD= 1530: CASE NO. 69 (50/ 25/ 50) TEN YR PROD= 1530: CASE NO. 69 (50/ 25/ 50) TEN YR PROD= 1260: CASE NO. 69 (50/ 25/ 50) TEN YR PROD= 1260: CASE NO. 69 (50/ 25/ 25) TEN YR PROD= 1260: CASE NO. 69 (50/ 25/ 25) TEN YR PROD= 1260:	CASE NO. 61 :: NEWPORT (50 / 50 / 100) :: HAWTHORNE TEN YR PROD= 2340: MC ALESTER CASE NO. 62 :: NEWPORT (50 / 50 / 75) :: HAWTHORNE TEN YR PROD= 2070: MC ALESTER CASE NO. 63 :: NEWPORT (50 / 50 / 50) :: HAWTHORNE TEN YR PROD= 1800: MC ALESTER CASE NO. 64 :: NEWPORT (50 / 50 / 25) :: HAWTHORNE TEN YR PROD= 1530: MC ALESTER CASE NO. 65 :: NEWPORT (50 / 50 / 0) :: HAWTHORNE TEN YR PROD= 1260: MC ALESTER CASE NO. 66 :: NEWPORT (50 / 25 / 100) :: HAWTHORNE TEN YR PROD= 2070: MC ALESTER CASE NO. 66 :: NEWPORT (50 / 25 / 75) :: HAWTHORNE TEN YR PROD= 1800: MC ALESTER CASE NO. 67 :: NEWPORT (50 / 25 / 50) :: HAWTHORNE TEN YR PROD= 1800: MC ALESTER CASE NO. 69 :: NEWPORT (50 / 25 / 50) :: HAWTHORNE TEN YR PROD= 1530: MC ALESTER CASE NO. 69 :: NEWPORT (50 / 25 / 25) :: HAWTHORNE TEN YR PROD= 1260: MC ALESTER CASE NO. 69 :: NEWPORT (50 / 25 / 25) :: HAWTHORNE TEN YR PROD= 1260: MC ALESTER CASE NO. 69 :: NEWPORT (50 / 25 / 25) :: HAWTHORNE TEN YR PROD= 1260: MC ALESTER CASE NO. 69 :: NEWPORT (50 / 25 / 25) :: HAWTHORNE TEN YR PROD= 1260: MC ALESTER CASE NO. 70 :: NEWPORT (50 / 25 / 25) :: HAWTHORNE TEN YR PROD= 1260: MC ALESTER	CASE NO. 61 :: NEWPORT : (50/50/100) :: HAWTHORNE : TEN YR PROD= 2340: MC ALESTER : CASE NO. 62 :: NEWPORT : (50/50/75) :: HAWTHORNE : TEN YR PROD= 2070: MC ALESTER : CASE NO. 63 :: NEWPORT : (50/50/50) :: HAWTHORNE : TEN YR PROD= 1800: MC ALESTER : CASE NO. 64 :: NEWPORT : (50/50/25) :: HAWTHORNE : TEN YR PROD= 1530: MC ALESTER : CASE NO. 65 :: NEWPORT : (50/50/0) :: HAWTHORNE : TEN YR PROD= 1260: MC ALESTER : CASE NO. 66 :: NEWPORT : (50/25/100) :: HAWTHORNE : TEN YR PROD= 2070: MC ALESTER : CASE NO. 66 :: NEWPORT : (50/25/100) :: HAWTHORNE : TEN YR PROD= 1800: MC ALESTER : CASE NO. 67 :: NEWPORT : (50/25/75) :: HAWTHORNE : TEN YR PROD= 1800: MC ALESTER : CASE NO. 69 :: NEWPORT : (50/25/50) :: HAWTHORNE : TEN YR PROD= 1530: MC ALESTER : CASE NO. 69 :: NEWPORT : (50/25/25) :: HAWTHORNE : TEN YR PROD= 1560: MC ALESTER : CASE NO. 69 :: NEWPORT : TEN YR PROD= 1260: MC ALESTER : CASE NO. 69 :: NEWPORT : TEN YR PROD= 1260: MC ALESTER : CASE NO. 69 :: NEWPORT : TEN YR PROD= 1260: MC ALESTER : CASE NO. 69 :: NEWPORT : TEN YR PROD= 1260: MC ALESTER : CASE NO. 70 :: NEWPORT : TEN YR PROD= 1260: MC ALESTER :	CASE NO. 61 :: NEWPORT : 777.64 (50/ 50/100) :: HAWTHORNE : 1086.03 TEN YR PROD= 2340:: MC ALESTER : 798.60 CASE NO. 62 :: NEWPORT : 758.94 (50/ 50/ 75) :: HAWTHORNE : 1065.23 TEN YR PROD= 2070:: MC ALESTER : 779.67 CASE NO. 63 :: NEWPORT : 740.24 (50/ 50/ 50) :: HAWTHORNE : 1044.42 TEN YR PROD= 1800:: MC ALESTER : 760.75 CASE NO. 64 :: NEWPORT : 760.75 CASE NO. 64 :: NEWPORT : 721.54 (50/ 50/ 50) :: HAWTHORNE : 1023.61 TEN YR PROD= 1530:: MC ALESTER : 741.83 CASE NO. 65 :: NEWPORT : 702.84 (50/ 50/ 0) :: HAWTHORNE : 1002.81 TEN YR PROD= 1260:: MC ALESTER : 73.41 CASE NO. 66 :: NEWPORT : 734.05 (50/ 25/100) :: HAWTHORNE : 1058.34 TEN YR PROD= 2070:: MC ALESTER : 773.41 CASE NO. 67 :: NEWPORT : 734.05 (50/ 25/ 50) :: HAWTHORNE : 1037.53 TEN YR PROD= 1800:: MC ALESTER : 754.49 CASE NO. 69 :: NEWPORT : 754.59 TEN YR PROD= 1530:: MC ALESTER : 735.57 CASE NO. 69 :: NEWPORT : 754.49 CASE NO. 69 :: NEWPORT : 759.95 TEN YR PROD= 1260:: MC ALESTER : 735.57 CASE NO. 69 :: NEWPORT : 696.65 (50/ 25/ 25) :: HAWTHORNE : 995.92 TEN YR PROD= 1260:: MC ALESTER : 716.65 CASE NO. 70 :: NEWPORT : 677.95 (50/ 25/ 0) :: HAWTHORNE : 975.11	CASE NO. 61 :: NEWPORT : 777.64 : (50/50/100) :: HAWTHORNE : 1086.03 : TEN YR PROD= 2340:: MC ALESTER : 798.60 : CASE NO. 62 :: NEWPORT : 758.94 : (50/50/75) :: HAWTHORNE : 1065.23 : TEN YR PROD= 2070:: MC ALESTER : 779.67 : CASE NO. 63 :: NEWPORT : 740.24 : (50/50/50) :: HAWTHORNE : 1044.42 : TEN YR PROD= 1800:: MC ALESTER : 760.75 : CASE NO. 64 :: NEWPORT : 760.75 : CASE NO. 64 :: NEWPORT : 760.75 : TEN YR PROD= 1530:: MC ALESTER : 741.83 : CASE NO. 65 :: NEWPORT : 740.84 : (50/50/50) :: HAWTHORNE : 1023.61 : TEN YR PROD= 1530:: MC ALESTER : 741.83 : CASE NO. 65 :: NEWPORT : 702.84 : (50/50/0) :: HAWTHORNE : 1002.81 : TEN YR PROD= 1260:: MC ALESTER : 722.91 : CASE NO. 66 :: NEWPORT : 72.91 : CASE NO. 66 :: NEWPORT : 734.61 : TEN YR PROD= 2070:: MC ALESTER : 773.41 : CASE NO. 67 :: NEWPORT : 734.05 : (50/25/75) :: HAWTHORNE : 1058.34 : TEN YR PROD= 2070:: MC ALESTER : 773.41 : CASE NO. 67 :: NEWPORT : 734.05 : CASE NO. 67 :: NEWPORT : 734.05 : TEN YR PROD= 1800:: MC ALESTER : 754.49 : CASE NO. 69 :: NEWPORT : 734.05 : TEN YR PROD= 1800:: MC ALESTER : 754.49 : CASE NO. 69 :: NEWPORT : 734.05 : TEN YR PROD= 1530:: MC ALESTER : 735.57 : TEN YR PROD= 1530:: MC ALESTER : 735.57 : TEN YR PROD= 1530:: MC ALESTER : 735.57 : TEN YR PROD= 1530:: MC ALESTER : 735.57 : TEN YR PROD= 1260:: MC ALESTER : 735.57 : TEN YR PROD= 1260:: MC ALESTER : 735.57 : TEN YR PROD= 1260:: MC ALESTER : 735.57 : TEN YR PROD= 1260:: MC ALESTER : 735.57 : TEN YR PROD= 1260:: MC ALESTER : 735.57 : TEN YR PROD= 1260:: MC ALESTER : 735.57 : TEN YR PROD= 1260:: MC ALESTER : 735.57 : TEN YR PROD= 1260:: MC ALESTER : 735.57 : TEN YR PROD= 1260:: MC ALESTER : 735.57 : TEN YR PROD= 1260:: MC ALESTER : 735.57 : TEN YR PROD= 1260:: MC ALESTER : 735.57 : TEN YR PROD= 1260:: MC ALESTER : 735.57 : TEN YR PROD= 1260:: MC ALESTER : 735.57 : TEN YR PROD= 1260:: MC ALESTER : 735.57 : TEN YR PROD= 1260:: MC ALESTER : 735.57 : TEN YR PROD= 1260:: MC ALESTER : 735.57 : TEN YR PROD= 1260:: MC ALESTER : 736.65 : TEN YR PROD= 1260:: MC ALESTER : 736.65 : TEN YR PROD	CASE NO. 61 :: NEWPORT : 777.64 : 28.61 (50/50/100) :: HAWTHORNE : 1086.03 : 42.82 TEN YR PROD= 2340:: MC ALESTER : 798.60 : 29.71 CASE NO. 62 :: NEWPORT : 758.94 : 28.68 (50/50/75) :: HAWTHORNE : 1065.23 : 42.72 TEN YR PROD= 2070:: MC ALESTER : 779.67 : 29.58 CASE NO. 63 :: NEWPORT : 740.24 : 28.66 (50/50/50) :: HAWTHORNE : 1044.42 : 42.63 TEN YR PROD= 1800:: MC ALESTER : 760.75 : 29.47 CASE NO. 64 :: NEWPORT : 760.75 : 29.47 CASE NO. 64 :: NEWPORT : 760.75 : 29.47 CASE NO. 64 :: NEWPORT : 760.75 : 29.47 CASE NO. 65 :: NEWPORT : 760.75 : 29.47 CASE NO. 66 :: NEWPORT : 760.75 : 29.47 CASE NO. 66 :: NEWPORT : 760.75 : 29.47 CASE NO. 66 :: NEWPORT : 760.75 : 29.47 CASE NO. 66 :: NEWPORT : 760.75 : 29.47 CASE NO. 66 :: NEWPORT : 760.75 : 29.47 CASE NO. 66 :: NEWPORT : 760.84 : 28.36 (50/50/0) :: HAWTHORNE : 1002.81 : 42.47 TEN YR PROD= 1260:: MC ALESTER : 722.91 : 29.27 CASE NO. 66 :: NEWPORT : 750.84 : 28.36 (50/25/100) :: HAWTHORNE : 1058.34 : 42.69 TEN YR PROD= 2070:: MC ALESTER : 773.41 : 29.54 CASE NO. 66 :: NEWPORT : 734.05 : 28.25 (50/25/55) :: HAWTHORNE : 1037.53 : 42.60 TEN YR PROD= 1800:: MC ALESTER : 773.41 : 29.54 CASE NO. 66 :: NEWPORT : 754.49 : 29.43 CASE NO. 66 :: NEWPORT : 754.49 : 29.43 CASE NO. 66 :: NEWPORT : 754.49 : 29.43 CASE NO. 67 :: NEWPORT : 754.49 : 29.43 CASE NO. 69 :: NEWPORT : 754.49 : 29.43 CASE NO. 69 :: NEWPORT : 754.49 : 29.43 CASE NO. 69 :: NEWPORT : 754.49 : 29.43 CASE NO. 69 :: NEWPORT : 754.49 : 29.43 CASE NO. 69 :: NEWPORT : 754.49 : 29.43 CASE NO. 69 :: NEWPORT : 754.49 : 29.43 CASE NO. 69 :: NEWPORT : 754.49 : 29.43 CASE NO. 69 :: NEWPORT : 754.49 : 29.43 CASE NO. 69 :: NEWPORT : 754.49 : 29.43 CASE NO. 69 :: NEWPORT : 754.49 : 29.43 CASE NO. 69 :: NEWPORT : 754.49 : 29.43 CASE NO. 69 :: NEWPORT : 754.49 : 29.43 CASE NO. 69 :: NEWPORT : 754.49 : 29.43 CASE NO. 69 :: NEWPORT : 754.49 : 29.43 CASE NO. 69 :: NEWPORT : 754.49 : 29.44 CASE NO. 69 :: NEWPORT : 754.49 : 29.44 CASE NO. 69 :: NEWPORT : 754.49 : 29.44 CASE NO. 69 :: NEWPORT : 754.49 : 29.44 CASE NO. 69 :: NEWPORT :	CASE NO. 61 :: NEWPORT : 777.64 : 28.81 : (50/50/100) :: HAWTHORNE : 1086.03 : 42.82 : TEN YR PROD= 2340:: MC ALESTER : 798.60 : 29.71 : CASE NO. 62 :: NEWPORT : 758.94 : 28.68 : (50/50/75) :: HAWTHORNE : 1065.23 : 42.72 : TEN YR PROD= 2070:: MC ALESTER : 779.67 : 29.58 : CASE NO. 63 :: NEWPORT : 740.24 : 28.56 : (50/50/50) :: HAWTHORNE : 1044.42 : 42.63 : TEN YR PROD= 1800:: MC ALESTER : 779.67 : 29.47 : CASE NO. 64 :: NEWPORT : 760.75 : 29.47 : TEN YR PROD= 1800:: MC ALESTER : 741.83 : 29.36 : CASE NO. 64 : NEWPORT : 760.75 : 29.47 : TEN YR PROD= 1530:: MC ALESTER : 741.83 : 29.36 : CASE NO. 65 :: NEWPORT : 702.81 : 42.47 : TEN YR PROD= 1530:: MC ALESTER : 741.83 : 29.36 : CASE NO. 65 :: NEWPORT : 702.81 : 42.47 : TEN YR PROD= 1260:: MC ALESTER : 722.91 : 29.27 : CASE NO. 66 : NEWPORT : 752.91 : 29.27 : CASE NO. 66 : NEWPORT : 752.91 : 29.27 : CASE NO. 66 : NEWPORT : 758.34 : 42.47 : TEN YR PROD= 2070:: MC ALESTER : 735.57 : 29.43 : CASE NO. 67 : NEWPORT : 734.05 : 28.52 : CASE NO. 67 : NEWPORT : 734.05 : 29.54 : CASE NO. 67 : NEWPORT : 734.05 : 29.43 : CASE NO. 67 : NEWPORT : 734.05 : 29.43 : CASE NO. 67 : NEWPORT : 734.05 : 29.43 : CASE NO. 67 : NEWPORT : 734.05 : 29.43 : CASE NO. 67 : NEWPORT : 734.05 : 29.43 : CASE NO. 69 : NEWPORT : 734.05 : 29.43 : CASE NO. 69 : NEWPORT : 734.05 : 29.43 : CASE NO. 69 : NEWPORT : 734.05 : 29.43 : CASE NO. 69 : NEWPORT : 734.05 : 29.43 : CASE NO. 69 : NEWPORT : 734.05 : 29.43 : CASE NO. 69 : NEWPORT : 734.05 : 29.43 : CASE NO. 69 : NEWPORT : 734.05 : 29.43 : CASE NO. 69 : NEWPORT : 734.05 : 29.43 : CASE NO. 69 : NEWPORT : 734.05 : 29.43 : CASE NO. 69 : NEWPORT : 734.05 : 29.43 : CASE NO. 69 : NEWPORT : 734.05 : 29.43 : CASE NO. 69 : NEWPORT : 734.05 : 29.43 : CASE NO. 69 : NEWPORT : 734.05 : 29.43 : CASE NO. 69 : NEWPORT : 734.05 : 29.43 : CASE NO. 69 : NEWPORT : 734.05 : 29.44 : 29.	CASE NO. 61 : I NEWPORT : 777.64 : 28.81 : **** (50/50/100) :: HAWTHORNE : 1066.03 : 62.82 : 0.0 TEN YR PROD= 23401: MC ALESTER : 798.60 : 29.71 : 30.6 CASE NO. 62 : NEWPORT : 758.94 : 28.68 : **** (50/50/75) : HAWTHORNE : 1065.23 : 42.72 : 0.0 TEN YR PROD= 20701: MC ALESTER : 779.67 : 29.58 : 30.7 CASE NO. 63 : NEWPORT : 740.24 : 28.56 : **** (50/50/50/50) :: HAWTHORNE : 1044.42 : 42.63 : 0.0 TEN YR PROD= 18001: MC ALESTER : 760.75 : 29.47 : 30.9 CASE NO. 64 : NEWPORT : 760.75 : 29.47 : 30.9 CASE NO. 66 : NEWPORT : 72.54 : 28.45 : **** (50/50/25) : HAWTHORNE : 1023.61 : 42.54 : 0.0 TEN YR PROD= 15301: MC ALESTER : 741.83 : 29.36 : 31.0 CASE NO. 65 : NEWPORT : 702.84 : 28.36 : **** (50/50/0) : HAWTHORNE : 1002.81 : 42.47 : 0.0 TEN YR PROD= 12601: MC ALESTER : 72.91 : 29.27 : 31.1 CASE NO. 65 : NEWPORT : 72.75 : 29.47 : 30.9 TEN YR PROD= 20701: MC ALESTER : 72.91 : 29.27 : 31.1 CASE NO. 66 : NEWPORT : 72.75 : 29.47 : 30.8 CASE NO. 66 : NEWPORT : 734.05 : 29.27 : 31.1 CASE NO. 66 : NEWPORT : 734.05 : 29.54 : 30.8 CASE NO. 67 : NEWPORT : 734.05 : 29.54 : 30.8 CASE NO. 67 : NEWPORT : 734.05 : 29.54 : 30.8 CASE NO. 69 : NEWPORT : 754.49 : 29.43 : 30.9 CASE NO. 69 : NEWPORT : 754.49 : 29.43 : 30.9 CASE NO. 69 : NEWPORT : 754.49 : 29.43 : 30.9 CASE NO. 69 : NEWPORT : 754.49 : 29.43 : 30.9 CASE NO. 69 : NEWPORT : 754.49 : 29.43 : 30.9 CASE NO. 69 : NEWPORT : 754.49 : 29.43 : 30.9 CASE NO. 69 : NEWPORT : 754.49 : 29.43 : 30.9 CASE NO. 69 : NEWPORT : 754.49 : 29.43 : 30.9 CASE NO. 69 : NEWPORT : 754.49 : 29.43 : 30.9 CASE NO. 69 : NEWPORT : 754.49 : 29.43 : 30.9 CASE NO. 69 : NEWPORT : 754.49 : 29.43 : 30.9 CASE NO. 69 : NEWPORT : 754.49 : 29.43 : 30.9 CASE NO. 69 : NEWPORT : 754.49 : 29.43 : 30.9 CASE NO. 69 : NEWPORT : 754.49 : 29.43 : 30.9

RDX - HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /HISK

IDENTIFICATION :	SITE	:	COST	1	SIGMA	1	RISK (%)	
CASE NO. 71 : (50/ 0/100) : TEN YR PROD= 1800:	: HAWTHORNE	:	727.86 1030.65 748.23	2 2	28.49 42.57 29.40	3	0.0	• •
CASE NO. 72 : (50/ 0/75) : TEN YR PROD= 1530:	1 HAWTHORNE	:	709.16 1009.84 729.31	:	28.39 42.49 29.30	:	0 · 0 31 · 1	
CASE NO. 73 : (50/ 0/ 50) : TEN YR PROD= 1260:	: HAWTHORNE	: :	690.46 989.03 710.39	1 1	28.30 42.42 29.21	:	0 · 0 31 · 2	
CASE NO. 74 : (50/ 0/25) : TEN YR PROD= 990:	1 HAWTHORNE	1	671./6 968.23 691.47	:	28.22 42.37 29.14	8	0 · 0 31 · 4	
CASE NO. 75 : (50/ 0/ 0) : TEN YR PROD= 720:	HAWTHORNE	:	653.06 947.42 672.55	:	28.16 42.32 29.07	1 1	0 • 0 31 • 5	
CASE NO. 76 : (25/100/100) : TEN YR PROD= 2520:	1 HAWTHORNE	:	780.97 1089.74 801.96	:	28.83 42.84 29.74	1	0 • 0 30 • 6	
CASE NO. 77 : (25/100/ 75) : TEN YR PROD= 2250:	HAWTHORNE	1 1	762.27 1068.93 783.04	:	28.70 42.74 29.61	:	0 • 0 30 • 7	
CASE NO. 78 : (25/100/50) : TEN YR PROD= 1980:	: HAWTHORNE	: : : : : : : : : : : : : : : : : : : :	743.57 1048.12 764.12	:	28.58 42.64 29.49	:	0.0 30.8	
CASE NO. 79 : (25/100/ 25) : TEN YR PROD= 1710:	HAWTHORNE	:	724.87 1027.32 745.20	:	28.4 <i>!</i> 42.56 29.38	1 1 1	0.0 31.0	
CASE NO. 80 : (25/100/ 0) : TEN YR PROD= 1440:	: HAWTHORNE	:	706.17 1006.51 726.28	:	28.37 42.48 29.28	:	0.0 31.1	

»								#
: IDENTIFICATION ::	SITE	1	COST		SIGMA	1	RISK(%)	2
CASE NO. 81 :: (25/ 75/100) :: TEN YR PROD= 2250::			756.08 1062.04 776.78	1	28.66 42.70 29.57	1 1	0.0	:
			737.38 1041.24 757.86	:	28.54 42.61 29.45	:	0 · 0 30 · 9	1
			718.68 1020.43 738.94	:	28.44 42.53 29.35	:	0.0 31.0	1 1
	HAWTHORNE	1	699.98 999.62 720.02	:	28.34 42.46 29.25	1 1	0 · 0 31 · 1	:
	HAWTHORNE	1	681.28 978.82 701.10	:	28.26 42.39 27.17	:	0 • 0 31 • 3	:
	HAWTHORNE	1	731.19 1034.35 751.60	: :	28.51 42.58 29.42	:	0.0	:
	The state of the s		712.49 1013.54 732.68	:	28.40 42.51 29.32	:	0.0 31.0	:
	HAWTHORNE	i	693.79 992.74 713.75	1 1	28.31 42.44 29.23	; ;	0.0 31.2	:
1 (25/ 50/ 25) 11			675.09 971.93 694.83	:	28.23 42.38 29.15	1	0 · 0 31 · 3	1
	HAWTHORNE	1	656.39 951.12 675.91	:	28.17 42.32 29.08	1	0 · 0 31 · 5	1
	(25/ 75/100) TEN YR PROD= 2250: CASE NO. 82 (25/ 75/ 75) TEN YR PROD= 1980: CASE NO. 83 (25/ 75/ 50) TEN YR PROD= 1710: CASE NO. 84 (; 5/ 75/ 25) TEN YR PROD= 1440: CASE NO. 85 (; 5/ 75/ 0) TEN YR PROD= 1170: CASE NO. 86 (; 25/ 75/ 0) TEN YR PROD= 1170: CASE NO. 86 (; 25/ 50/100) TEN YR PROD= 1980: CASE NO. 86 (; 25/ 50/100) TEN YR PROD= 1980: CASE NO. 86 (; 25/ 50/ 75) TEN YR PROD= 1710: CASE NO. 89 (; 25/ 50/ 25) TEN YR PROD= 1170: CASE NO. 89 (; 25/ 50/ 25) TEN YR PROD= 1170: CASE NO. 89 (; 25/ 50/ 25) TEN YR PROD= 1170: CASE NO. 89 (; 25/ 50/ 25) TEN YR PROD= 1170: CASE NO. 89 (; 25/ 50/ 25) TEN YR PROD= 1170: CASE NO. 90 (; 25/ 50/ 0)	CASE NO. 81 :: NEWPORT (25/ 75/100) :: HAWTHORNE TEN YR PROD= 2250:: MC ALESTER CASE NO. 82 :: NEWPORT (25/ 75/ 75) :: HAWTHORNE TEN YR PROD= 1980:: MC ALESTER CASE NO. 83 :: NEWPORT (25/ 75/ 50) :: HAWTHORNE CASE NO. 84 :: NEWPORT (25/ 75/ 25) :: HAWTHORNE CASE NO. 84 :: NEWPORT HAWTHORNE CASE NO. 85 :: NEWPORT (25/ 75/ 0) :: HAWTHORNE CASE NO. 85 :: NEWPORT (25/ 75/ 0) :: HAWTHORNE CASE NO. 85 :: NEWPORT HAWTHORNE CASE NO. 86 :: NEWPORT HAWTHORNE CASE NO. 86 :: NEWPORT HAWTHORNE CASE NO. 86 :: NEWPORT HAWTHORNE CASE NO. 87 :: NEWPORT HAWTHORNE CASE NO. 87 :: NEWPORT HAWTHORNE CASE NO. 88 :: NEWPORT HAWTHORNE CASE NO. 89 :: NEWPORT HAWTHORNE CASE NO. 90 :: NEWPORT HAWTHORNE CASE NO. 90 :: NEWPORT HAWTHORNE CASE NO. 90 :: NEWPORT HAWTHORNE	CASE NO. 81 :: NEWPORT :: (25/75/100) :: HAWTHORNE :: TEN YR PROD= 2250:: MC ALESTER :: CASE NO. 82 :: NEWPORT :: (25/75/75) :: HAWTHORNE :: TEN YR PROD= 1980:: MC ALESTER :: CASE NO. 83 :: NEWPORT :: (25/75/50) :: HAWTHORNE :: (25/75/25) :: HAWTHORNE :: (25/75/75) :: HAWTHORNE :: (25/75/75	CASE NO. 81 NEWPORT 756.08 162.04 TEN YR PROD= 2250: MC ALESTER 776.78 162.04 TEN YR PROD= 2250: MC ALESTER 776.78 162.04 TEN YR PROD= 2250: MC ALESTER 776.78 162.04 TEN YR PROD= 1980: MC ALESTER 737.38 162.75 757.86 162.04 TEN YR PROD= 1980: MC ALESTER 757.86 162.04 TEN YR PROD= 1710: MC ALESTER 738.94 162.04 TEN YR PROD= 1710: MC ALESTER 738.94 162.04 TEN YR PROD= 1440: MC ALESTER 720.02 TEN YR PROD= 1440: MC ALESTER 720.02 TEN YR PROD= 1440: MC ALESTER 720.02 TEN YR PROD= 1170: MC ALESTER 731.19 TEN YR PROD= 1170: MC ALESTER 731.19 TEN YR PROD= 1980: MC ALESTER 731.19 TEN YR PROD= 1980: MC ALESTER 731.60 TEN YR PROD= 1710: MC ALESTER 731.60 TEN YR PROD= 1710: MC ALESTER 732.68 TEN YR PROD= 1710: MC ALESTER 732.68 TEN YR PROD= 1710: MC ALESTER 732.68 TEN YR PROD= 1440: MC ALESTER 732.75 TEN YR PROD= 1170: MC ALESTER 732.75 TEN YR PROD= 1170: MC ALESTER 732.68 TEN YR PROD= 1170: MC ALESTER 732.68 TEN YR PROD= 1170: MC ALESTER 732.75 TEN YR PROD= 1170: MC ALESTER 732.68 TEN YR PROD= 1170: MC ALESTER 732.6	CASE NO. 81	I CASE NO. 81 I! NEWPORT ! 756.08 ! 28.66 (25/ 75/100) !! HAWTHORNE ! 1062.04 ! 42.70 TEN YR PRODE 2250: MC ALESTER ! 776.78 ! 29.57 CASE NO. 82 !! NEWPORT ! 731.38 28.54 (25/ 75/ 75) !! HAWTHORNE ! 1041.24 ! 42.61 TEN YR PRODE 1980: MC ALESTER ! 757.86 ! 29.45 CASE NO. 83 !! NEWPORT ! 757.86 ! 29.45 CASE NO. 83 !! NEWPORT ! 757.86 ! 29.45 CASE NO. 83 !! NEWPORT ! 757.86 ! 29.45 CASE NO. 83 !! NEWPORT ! 757.86 ! 29.45 CASE NO. 84 !! NEWPORT ! 1020.43 ! 42.53 TEM YR PRODE 1710!! MC ALESTER ! 738.94 ! 29.35 CASE NO. 84 !! NEWPORT ! 699.98 ! 28.34 (25/ 75/ 25) !! HAWTHORNE ! 999.62 ! 42.46 (25/ 75/ 25) !! HAWTHORNE ! 999.62 ! 42.46 (25/ 75/ 25) !! HAWTHORNE ! 999.62 ! 42.46 (25/ 75/ 0) !! HAWTHORNE ! 978.82 ! 29.25 CASE NO. 85 !! NEWPORT ! 681.28 ! 28.26 (25/ 75/ 0) !! HAWTHORNE ! 978.82 ! 42.39 TEN YR PRODE 1170: MC ALESTER ! 701.10 ! 27.17 CASE NO. 86 !! NEWPORT ! 731.19 ! 28.51 (25/ 75/ 0) !! HAWTHORNE ! 1034.35 ! 42.58 (25/ 75/ 50) !! HAWTHORNE ! 1034.35 ! 42.58 (25/ 50/ 100) !! HAWTHORNE ! 1034.35 ! 42.58 (25/ 50/ 75) !! HAWTHORNE ! 103.54 ! 42.51 TEN YR PRODE 1980!! MC ALESTER ! 751.60 ! 29.42 CASE NO. 86 !! NEWPORT ! 732.68 ! 29.32 CASE NO. 86 !! NEWPORT ! 732.68 ! 29.32 CASE NO. 87 !! NEWPORT ! 693.79 ! 28.31 (25/ 50/ 50) !! HAWTHORNE ! 1013.54 ! 42.51 TEN YR PRODE 1710!! MC ALESTER ! 732.68 ! 29.32 CASE NO. 89 !! NEWPORT ! 693.79 ! 28.31 (25/ 50/ 50) !! HAWTHORNE ! 992.74 ! 42.44 42.44 12.57	CASE NO. 81 NEWPORT 756.08 28.66 1 (25/75/100) HAWTHORNE 1062.04 42.70 1 TEN YR PROD= 2250: MC ALESTER 776.78 29.57 1 1 1 1 1 1 1 1 1	I CASE NO. 81 !! NEWPORT ! 756.08 ! 28.66 ! ***** 1 (25/ 75/100) !! HAWTHORNE ! 1062.04 ! 42,70 ! 0.0 I TEN YR PROD= 2250:! MC ALESTER ! 776.78 ! 29.57 ! 30.8 I CASE NO. 82 !! NEWPORT ! 73/.38 ! 25.54 ! ***** 1 (25/ 75/ 75) !! HAWTHORNE ! 1044.24 ! 42.61 ! 0.0 I TEN YR PROD= 1980:! MC ALESTER ! 757.86 ! 29.45 ! 30.9 I CASE NO. 83 !! NEWPORT ! 718.68 ! 28.44 ! ***** 1 (25/ 75/ 50) !! HAWTHORNE ! 1020.43 ! 42.53 ! 0.0 I TEN YR PROD= 1710:! MC ALESTER ! 738.94 ! 29.35 ! 31.0 I CASE NO. 84 !! NEWPORT ! 699.98 ! 28.34 ! ***** 1 (35/ 75/ 25) !! HAWTHORNE ! 999.62 ! 42.46 ! 0.0 1 (5/ 75/ 25) !! HAWTHORNE ! 720.02 ! 29.25 ! 31.1 I CASE NO. 85 !! NEWPORT ! 681.28 ! 28.26 ! ***** 1 (25/ 75/ 0) !! HAWTHORNE ! 978.82 ! 42.39 ! 0.0 I TEN YR PROD= 1440:! MC ALESTER ! 701.10 ! 27.17 ! 31.3 I CASE NO. 86 !! NEWPORT ! 731.19 ! 28.51 ! ***** 1 (25/ 75/ 0) !! HAWTHORNE ! 978.82 ! 42.39 ! 0.0 I TEN YR PROD= 1980:! MC ALESTER ! 701.10 ! 27.17 ! 31.3 I CASE NO. 86 !! NEWPORT ! 731.19 ! 28.51 ! ***** 1 (25/ 50/100) !! HAWTHORNE ! 1034.35 ! 42.58 ! 0.0 I TEN YR PROD= 1980:! MC ALESTER ! 751.60 ! 29.42 ! 30.9 I CASE NO. 86 !! NEWPORT ! 712.49 25.40 ! ***** 1 (25/ 50/ 75) !! HAWTHORNE ! 1013.54 ! 42.51 ! 0.0 I TEN YR PROD= 1710:! MC ALESTER ! 732.68 ! 29.32 ! 31.0 I CASE NO. 80 !! NEWPORT ! 712.49 25.40 ! ***** 1 (25/ 50/ 50) !! HAWTHORNE ! 1013.54 ! 42.51 ! 0.0 I TEN YR PROD= 1710:! MC ALESTER ! 732.68 ! 29.32 ! 31.0 I CASE NO. 80 !! NEWPORT ! 712.49 25.40 ! ***** 1 (25/ 50/ 50) !! HAWTHORNE ! 99.79 ! 28.31 ! ***** 1 (25/ 50/ 50) !! HAWTHORNE ! 99.79 ! 28.31 ! ***** 1 (25/ 50/ 50) !! HAWTHORNE ! 99.79 ! 28.31 ! ***** 1 (25/ 50/ 50) !! HAWTHORNE ! 971.93 ! 42.38 ! 0.0 I TEN YR PROD= 1170!! MC ALESTER ! 713.75 ! 29.23 ! 31.2 I CASE NO. 89 !! NEWPORT ! 675.09 ! 28.23 ! ***** 1 (25/ 50/ 50/ 0) !! HAWTHORNE ! 971.93 ! 42.38 ! 0.0 I TEN YR PROD= 1170!! MC ALESTER ! 694.83 ! 29.15 ! 31.3

RDX - HMX SITE SELECTION FUUR LINE CAPACITY COST /SENSITIVITY /RISK

IDENTIFICATIO	N :1	SITE	:	COST	;	SIGMA	:	RISK(%)	-
CASE NO. 91 (25/ 25/100) TEN YR PROD=	2.2		:	706.30 1006.66 726.41	:	28.37 42.48 29.28	:	0.0	•
CASE NO. 92 (25/ 25/ 75) TEN YR PROD=	: 1	NEWPORT HAWTHORNE MC ALESTER	:	687.60 985.85 707.49	:	28.29 42.42 29.20	1	0 • 0 31 • 2	
CASE NO. 93 (25/ 25/ 50) TEN YR PROD=	::	NEWPORT HAWTHORNE MC ALESTER	:	668.90 965.04 688.57	:	28.21 42.36 29.13	:	0 • 0 31 • 4	
CASE NO. 94 (25/ 25/ 25/ TEN YR PROD=	1.1	NEWPORT HAWTHORNE MC ALESTER	:	650.20 944.24 669.65	:	28.15 42.31 29.06	:	0 • 0 31 • 5	
CASE NO. 95 (25/ 25/ 0) TEN YR PRO()=	630::	NEWPORT HAWTHORNE MC- ALESTER	:	631.50 923.43 650.73	:	28.10 42.27 29.01	:	0 • 0 31 • 7	
CASE NO. 96 (25/ 0/100) TEN YR PROD=	::	NEWPORT HAWTHORNE MC ALESTER	:	681.41 978.96 701.23	:	28.26 42.40 29.17		0 • 0 31 • 3	
CASE NO. 9! (25/ 0/ 75) TEN YR PROD=	1170::	NEWPORT HAWTHORNE MC ALESTER	:	662.71 958.16 682.31	:	28.19 42.34 29.10	:	0 • 0 31 • 4	
CASE NO. 98 (25/ 0/ 50) TEM YR PROD=	900::	NEWPORT HAWTHORNE MC ALESTER	:	644.01 937.35 663.39	:	28.13 42.29 29.05	:	0.0 31.6	
CASE NO. 99 (25/ 0/ 25) TEN YR PROD=	630::	NEWPORT HAWTHORNE MC ALESTER	:	625.31 916.54 644.47	:	28.08 42.26 29.00		0 • 0 31 • 8	
CASE NO. 100 (25/ 0/ 0) TEN YR PROD=	360:		:	606.61 895.74 625.55	:	20.05 42.23 28.96	:	0 • 0 31 • 9	

PATE: 16 JAN 75

RDX - HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /HISK

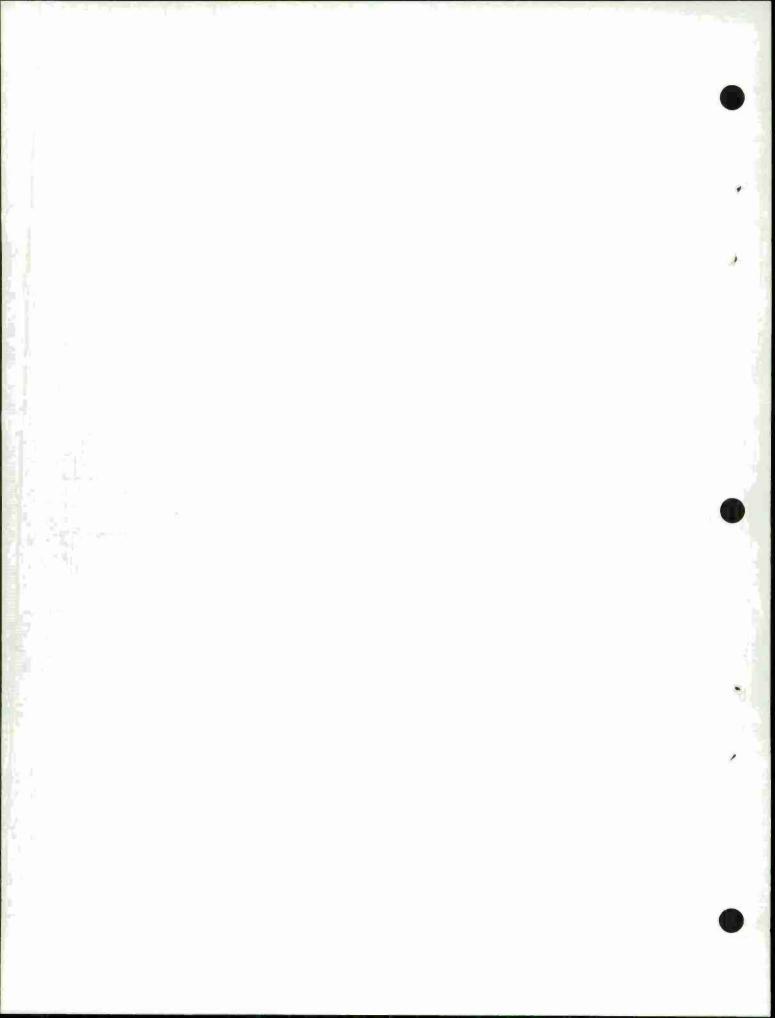
: IDENTIFICATION :	SITE	1	COST	· · · · ·	SIGMA	:	RISK(%)	*
: CASE NO. 101 :: : (0/100/100) :: : TEN YR PROD= 2160::	NEWPORT HAWTHORNE MC ALESTER	:	734.52 1038.05 754.96	:	28.52 42.60 29.43	:	0.0	:
: CASE NO. 102 :: : (0/100/ 75) :: : TEN YR PROO= 1890::	NEWPORT HAWTHORNE MC ALESTER	:	715.82 1017.24 736.04	:	28.42 42.52 29.33	1 1	0 · 0 31 · 0	:
: CASE NO. 103 :: : (0/100/ 50) :: : TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER	1	697.12 996.44 717.12	:	28.33 42.45 29.24	:	0 · 0 31 · 2	:
: CASE NO. 104 :: : (0/100/ 25) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	2 :	678.42 975.63 698.20	:	28.25 42.39 29.16	•	0 · 0 31 · 3	:
CASE NO. 105 :: (0/100/ 0) :: TEN YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER	:	659.72 954.83 679.28	:	28.18 42.33 29.09	:	0 · 0 31 · 5	:
: CASE NO. 106 :: : (0/ 75/100) :: : TEN YR PRUD= 1890::		:	709.63 1010.36 729.78	:	28.39 42.49 29.30	1 1	0 · 0 31 · 1	:
: CASE NO. 10/ :: : (0/ 75/ 75) :: : TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER	:	690.93 989.55 710.86	:	28.30 42.43 29.21	:	0 · 0 31 · 2	:
: CASE NO. 100 :: : (0/ 75/ 50) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	:	672.23 968.74 691.94	:	28.22 42.37 29.14	:	0 • 0 31 • 4	:
: CASE NO. 107 :: : (0/ 75/ 25) :: : TEN YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER	:	653.53 947.94 673.02	:	28.16 42.32 29,07	:	0 · 0 31 · 5	:
CASE NO. 110 :: : (0/ 75/ 0) :: : TEN YR PROD= 810::	NEWPORT HAWTHORNE MC ALESTER	:	634.83 927.13 654.10	:	28.10 42.28 29.02	1 1 1	0 • 0 31 • 7	:

RDX - HMX SITE SELECTION FUUR LINE CAPACITY COST /SENSITIVITY /HISK

*								#
: IDENTIFICATION ::	SITE	1	COST		SIGMA	2.	RISK (%)	2
: CASE NO. 111 :: : (0/ 50/100) :: : TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER	:	684.74 982.66 704.60	:	28.27 42.41 29.19	:	0 • 0 31 • 3	:
: CASE NO. 112 :: : (0/ 50/ 75) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	:	666.04 961.86 685.68	:	28.20 42.35 29.12	:	0.0 31.4	:
: CASE NO. 113 :: : (0/50/50) :: : TEN YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER	1	647.34 941.05 666.75	:	28.14 42.30 29.05	:	0 • 0 31 • 6	:
: CASE NO. 114 :: : (0/50/25) :: : TEN YR PROD= 810::	NEWPORT HAWTHORNE MC ALESTER	:	628.64 920.24 647.83	:	28.09 42.26 29.01	:	0.0 31.7	:
: CASE NO. 115 :: : (0/50/ 0) :: : TEN YR PROD= 540:	NEWPORT HAWTHORNE MC ALESTER	:	609,94 899,44 628,91	:	28.05 42.24 28.97		0.0 31.9	:
: CASE NO. 116 :: : (0/ 25/100) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	:	659.85 954.97 679.41	3 2 1	28.18 42.33 29.09	i	0 • 0 31 • 5	:
: CASE NO. 117 :: : (0/ 25/ 75) :: : TEN YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER	:	641.15 934.16 660.49	:	28.12 42.29 29.04	:	0.0 31.6	:
: CASE NO. 118 :: : (0/ 25/ 50/ :: : TEN YR PROD= 810::	NEWPORT HAWTHORNE MC ALESTER	:	622.45 913.36 641.57	:	28.07 42.25 28.99	:	0 · 0 31 · 8	1
: CASE NO. 117 :: : (0/ 25/ 25) :: : TEN YR PROD= 540::	NEWPORT HAWTHORNE MC ALESTER	:	603.75 892.55 622.65	:	28.04 42.23 28.96	:	0.0	2
: CASE NO. 120 :: : (0/ 25/ 0) :: : TEN YR PROD= 270::	NEWPORT HAWTHORNE MC ALESTER	1 1	585.05 871.74 603.73	:	28.02 42.21 28.94	:	0.0 32.1	:

RDX - HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /RISK

	IDENTIFICATIO	N : 1	SITE	1	COST	?	SIGMA	1	RISK(%)	1
	CASE NO. 121	::	NEWPORI		634.96		28.10	1	*****	
	(0/ 0/100)	2 2	HAWTHORNE	2	927.28	3	42.28	2	0.0	
	TEN YR PRODE			8	654.23	1	29.02	ï	31.7	3
	CASE NO. 122	::	NEWPORT		616.26		28.06	1	*****	*
	: (0/ 0/ 75)				906.47		42.24	2	0.0	2
	TEN YR PROD=				635.31	1	28.98	\$	31.8	
	0									0
	: CASE NO. 123	: :	NEWPORT	2	597.56	\$	28.03	1	****	3
	: (0/ 0/ 50)	2.3	HAWTHORNE	3	885.66	\$	42.22	- 1	0 • 0	2
	TEN YR PRODE	540::	MC ALESTER	2	616.39	1	28.95	1	32.0	3
	. CASE NO. 124	::	NEWPORT	:	578.86	;	28.01	:	****	:
	: (0/ 0/ 25)				864.86	2	42.21	8	0.0	3
	TEM YR PROD=				597.47	3	28.93	8	32.2	1
,	h									
	: CASE NO. 125	0	NEWPORT	8	560.16		28.01	8	****	
_	: (0/ 0/ 0)	\$ \$		8	844.05	8	42.20	\$	0.0	3
	TEN YR PROD=	0::	MC ALESTER	\$	578.55	\$	28.93	- 1	32.4	\$
,	D									#



I IDENTIFICATION ::	SITE	:	COST		SIGMA		RISK(%)	
: CASE NO. 1 :: : (100/100/100) :: : TEN YR PROD= 3600::	NEWPORT HAWTHORNE MC ALESTER	:	918.97 1244.79 942.96	:	30.15 43.87 31.03	:	0.0	• •
CASE NO. 2 :: : (100/100/ 75) :: : TEM YR PROD= 3330::	NEWPORT HAWTHORNE MC ALESTER	:	900.34 1223.99 924.04	:	29.94 43.71 30.83	:	0 • 0 29 • 1	
CASE NO. 3 :: (100/100/ 50) :: TEN YR PROD= 3060::	NEWPORT HAWTHORNE MC ALESTER	:	881.71 1203.18 905.12	:	29.74 43.55 30.63	:	0.0	
: CASE NO. 4 :: : (100/100/ 25) :: : TEN YR PROD= 2790::	NEWPORT HAWTHORNE MC ALESTER	:	863.08 1182.37 886.20	:	29.55 43.40 30.44	:	0 • 0 29 • 3	1
CASE NO. 5 :: (100/100/ 0) :: TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	:	844.46 1161.57 867.28	:	29.37 43.26 30.27	:	0.0	1
: CASE NO. 6 :: : (100/ 75/100) :: : TEN YR PROD= 3330::	NEWPORT HAWTHORNE MC ALESTER	:	894.18 1217.10 917.78	:	29,87 43.65 30.76	:	0 • 0 29 • 1	1
CASE NO. 7 :: (100/ 75/ 75) :: TEN YR PROD= 3060::		:	875.55 1196.29 898.86	:	29.67 43.50 30.57	:	0 • 0 29 • 2	1
CASE NO. 8 :: (100/ 75/ 50) :: TEN YR PROD= 2790::	NEWPORT HAWTHORNE MC ALESTER	:	856.92 1175.49 879.94	:	29.49 43.35 30.38	:	0 • 0 29 • 3	:
CASE NO. Y :: (100/ 75/ 25) :: TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	:	838.29 1154.68 861.02	:	29.31 43.21 30.21	:	0 • 0 29 • 5	:
: CASE NO. 10 :: : (100/ 75/ 0) :: : TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER	:	819.66 1133.87 842.10	:	29.15 43.08 30.05	:	0 • 0 29 • 6	:

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RDX - HMX SITE SELECTION FUUR LINE CAPACITY COST /SENSITIVITY /HISK

: IDENTIFICATION :	SITE	1	COST	,	SIGMA	1	RISK(%)	:
I CASE NO. 11 :: (100/ 50/100) :: TEM YR PROD= 3060::	NEWPORT HAWTHORNE MC ALESTER		869.38 1189.41 892.59	:	29.61 43.45 30.50		0 · 0 29 · 3	:
: CASE NO. 12 :: : (100/ 50/ 75) :: : TEM YR PROD= 2790::	NEWPORT HAWTHORNE MC ALESTER	:	850.75 1168.60 873.67	:	29.43 43.31 30.32	:	0.0	:
CASE NO. 13 :: (100/ 50/ 50) :: TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	:	832.12 1147.79 854.75	:	29,26 43,17 30,15	:	0.0 29.5	:
: CASE NO. 14 :: : (100/ 50/ 25) :: : TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER	:	813,49 1126.99 835.83	:	29.09 43.04 30.00	:	0 • 0 29 • 6	:
: CASE NO. 15 ;: : (100/ 50/ 0) :: : TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER	:	794.86 1106.18 816.91	:	28.94 42.93 29.85	:	0.0	:
CASE NO. 16 :: : (100/ 25/100) :: : TEN YR PROD= 2790:	NEWPORT HAWTHORNE MC ALESTER	:	044.58 1161.71 867.41	:	29.37 43.26 30.27	:	0.0	:
: CASE NO. 17 :: : (100/ 25/ 75) :: : TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	:	325.96 1140.91 848.49	:	29.20 43.13 30.10	:	0.0	:
: CASE NO. 18 :: : (100/ 25/ 50) :: : TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER	:	807.33 1120.10 829.57	:	29.04 43.00 29.94	:	0 • 0 29 • 7	:
CASE NO. 19 :: (100/ 25/ 25) :: TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER	:	788.70 1099.29 810.65	:	28.89 42.89 29.80	:	0.0 29.8	:
: CASE NO. 20 :: : (100/ 25/ 0) :: : TEN YR PROD= 1710::	HAWTHORNE	:	770.07 1078.49 791.73	:	28.76 42.78 29.66	:	0.0	:

	#								#
	: IDENTIFICATION :	SITE	0	COST		SIGMA	1	RISK(%)	1
	: CASE NO. 21 :: : (100/ 0/100) :: : TEN YR PROD= 2520::	NEWPOR! HAWTHORNE MC ALESTER		819.79 1134.02 842.23	:	29.15 43.09 30.05		0.0	:
	: CASE NO. 24 :: : (100/ 0/ 75) :: : TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER	:	801.16 1113.21 823.31	:	28.99 42.96 29.90	I I I	0.0 29.7	3
	: CASE NO. 23 :: : (100/ 0/50) :: : TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER	: :	782.53 1092.41 804.39	:	28.85 42.85 29.75	:	0 • 0 29 • 9	:
	: CASE NO. 24 :: : (100/ 0/ 25] :: : TEN YR PROD= 1710::	NEWPORT HAWTHORNE MC ALESTER		/63.90 1071.60 785.47	:	28.71 42.75 29.62	:	0 · 0 30 · 1	:
	: CASE NO. 25 :: : (100/ 0/ 0) :: : TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER	:	745.27 1050.79 766.55	:	28.59 42.65 29.50	:	0.0 30.2	:
	: CASE NO. 26 :: : (75/100/100) :: : TEN YR PROD= 3240::		:	872.70 1193.11 895.96	:	29.64 43.48 30.54	:	0 • 0 29 • 2	:
	: CASE NO. 27 :: : (75/100/ 75/ :: : TEN YR PROD= 2970::	NEWPORT HAWTHORNE MC ALESTER	* *	854.07 1172.30 877.04	:	29.46 43.33 30.36	:	0.0 29.4	:
	: CASE NO. 20 :: : (75/100/50) :: : TEN YR PROD= 2700::	NEWPORT HAWTHORNE MC ALESTER	:	835.44 1151.49 858.12	:	29.29 43.19 30.18	:	0 · 0 29 • 5	:
	: CASE NO. 27 :: : (75/100/ 25) :: : TEN YR PROD= 2430::	NEWPORT HAWTHORNE MC ALESTER		816.81 1130.69 839.20	:	29.12 43.07 30.02	:	0 • 0 29 • 6	:
4	: CASE NO. 30 1: : (75/100/ 0) :: : TEN YR PROD= 2160::		:	798.18 1109.88 820.28	:	28.97 42.95 29.87	:	0 • 0 29 • 8	:
									-

RDX - HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /RISK

#						
: IDENTIFICATION	SITE	1	COST		SIGMA	RISK (%)
	NEWPOR! HAWTHORNE MC ALESTER		847.90 1165.41 870.78	:	29.40 43.28 30.30	0.0
	NEWPORT HAWTHORNE MC ALESTER	:	829.27 1144.61 851.86	:	29.23 43.15 30.13	0.0
	: HAWTHORNE	:	810.64 1123.80 832.94	:	29.07 43.02 29.97	0 · 0 29 · 7
: CASE NO. 34 : (75/ 75/ 25) : TEN YR PROD= 2160	11 HAWTHORNE	:	792.01 1102.99 814.02	:	28.92 42.91 29.82	: **** : 0.0 : 29.8
	: HAWTHORNE	:	773.38 1082.19 795.10	:	28.78 42.80 29.69	0 · 0 30 · 0
: CASE NO. 36 : (75/ 50/100) : TEN YR PROD= 2700	: HAWTHORNE	1	823.10 1137.72 845.59	:	29.18 43.11 30.08	0 · 0 29 · 6
	NEWPORT HAWTHORNE MC ALESTER	:	804.47 1116.91 826.67	:	29.02 42.99 29.92	0.0
	NEWPORT HAWTHORNE MC ALESTER	:	785.84 1096.11 807.75	:	28.87 42.87 29.78	0 · 0 29 · 9
		:	767.22 1075.30 788.83	:	28.74 42.77 29.65	0 • 0 30 • 0
	: HAWTHORNE	:	748.59 1054.49 769.91	:	28.61 42.67 29.52	: **** : 0.0 : 30.2

á	: IDENTIFICATION :	SITE	:	COST	:	SIGMA	:	RISK(%)	1
7_	: CASE NO. 41 :: : (75/ 25/100) :: : TEN YR PROD= 2430::	NEWPORT HAWTHORNE MC ALESTER	:	798.31 1110.03 820.41	:	28.97 42.95 29.87	:	0 • 0 29 • 8	:
	: CASE NO. 42 :: : (75/ 25/ 75) :: : TEN YR PROD= 2160::	NEWPORT HAWTHORNE MC ALESTER	:	779.68 1089.22 801.49	:	28.83 42.84 29.73	1	0.0 29.9	:
	: CASE NO. 43 :: : (75/25/50) :: : TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	:	761.05 1068.41 782.57	: :	28.70 42.73 29.60	:	0.0 30.1	:
٠	: CASE NO. 44 :: : (75/ 25/ 25! :: : TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER	:	742.42 1047.61 763.65	:	28.58 42.64 29.48	:	0.0	:
	: CASE NO, 45 :: : (75/ 25/ 0) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	:	723.79 1026.80 744.73	\$ \$ \$	28.47 42.56 29.38	:	0.0	:
	: CASE NO. 46 :: : (75/ 0/100) :: : TEN YR PROD= 2160::	NEWPORT HAWTHORNE MC ALESTER	:	773.51 1082.33 795.23	:	28.78 42.80 29.69	:	0.0	:
	: CASE NO. 4/ :: : (75/ 0/ 75) :: : TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	:	754.88 1061.53 776.31	:	28.65 42.70 29.56	:	0.0	:
A	: CASE NO. 40 :: : (75/ 0/50) :: : TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER	:	736.25 1040.72 757.39	:	28.54 42.61 29.45	:	0.0	:
	: CASE NO. 49 :: : (75/ 0/25) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	:	717.62 1019.91 738.47	:	28.43 42.53 29.34	:	0.0 30.5	:
1	: CASE NO. 50 :: : (75/ 0/ 0) :: : TEN YR PROD= 1080::		:	698.99 999.11 719.55	:	28.34 42.46 29.25	:	0 • 0 30 • 7	:

IDENTIFICATION :	SITE	:	COST	1	SIGMA	:	RISK(%)
(50/100/100)		:	826.42 1141.42	:	29.20 43.13		0.0
TEN YR PROD= 2880:			848.96		30.10		29.5
CASE NO. 52 : (50/100/ 75) : TEN YR PROD= 2610:	1 HAWTHORNE	1 2	807.79 1120.62 830.04	:	29.05 43.01 29.95	:	0.0
CASE NO. 53			789.16	·	28.90	- <mark></mark>	
(50/100/ 50) : TEN YR PROD= 2340:	: HAWTHORNE	:	1099.81	*	42.89	:	0.0
CASE NO. 54 : (50/100/ 25) : TEN YR PROD= 2070:	HAWTHORNE	:	/70.53 1079.00 792.20	:	28.76 42.78 29.67	:	0 • 0 30 • 0
CASE NO. 55 : (50/100/ 0) : TEN YR PROD= 1800:	HANTHORNE	:	751.90 1058.20 773.28	:	28.63 42.69 29.54	:	0.0
CASE NO. 56 : (50/ 75/100) : TEN YR PROD= 2610:	HAWTHORNE	:	001.62 1113.73 823.78	:	29.00 42.97 29.90	:	0 • 0 29 • 7
CASE NO. 57 : (50/ 75/ 75) : TEN YR PROD= 2340:	: HAWTHORNE	:	782.99 1092.92 804.86	:	28.85 42.85 29.76	:	0.0
CASE NO. 58 : (50/ 75/ 50) : TEN YR PROD= 2070:	HAWTHORNE	:	764.36 1072.12 785.94	:	28.72 42.75 29.63	:	0.0
CASE NO. 57 : (50/ 75/ 25) : TEN YR PROD= 1800:	HANTHORNE	:	745.73 1051.31 767.02	:	28.60 42.66 29.51	:	0.0
CASE NO. 60 : (50/75/0) : TEN YR PROD= 1530:	1 HAWTHORNE	:	727.10 1030.50 748.10	:	28.48 42.57 29.40	:	0.0

RDX - HMX SITE SELECTION FUUR LINE CAPACITY COS! /SENSITIVITY /RISK

#								#
: IDENTIFICATION :	SITE	1	COST	1	SIGMA	1	RISK(%)	1
: CASE NO. 61 : : (50/50/100) : : TEN YR PROD= 2340:	: HAWTHORNE		776.83 1086.03 798.60	:	28.81 42.82 29.71	1	0.0	:
: CASE NO. 62 : : (50/50/75) : : TEN YR PROD= 2070:	HAWTHORNE	:	758.20 1065.23 779.67	:	28.68 42.72 29.58	:	0 • 0 30 • 1	
: CASE NO. 63 : : (50/50/50) : : TEN YR PROD= 1800:	HAWTHORNE	:	739.57 1044.42 760.75	:	28.56 42.63 29.47	:	0.0	:
: CASE NO. 64 : (50/50/25) : TEN YR PROD= 1530:	HAWTHORNE	:	/20.94 1023.61 741.83	:	28.45 42.54 29.36	8	0 · 0 30 · 5	:
: CASE NO. 65 : : (50/50/0) : : TEN YR PROD= 1260:	: HAWTHORNE	:	702.31 1002.81 722.91	:	28.35 42.47 29.27	8	0.0	:
: CASE NO. 66 : : (50/25/100) : : TEN YR PROD= 2070:	: HAWTHORNE	:	752.03 1058.34 773.41	:	28.64 42.69 29.54	:	0.0	:
: CASE NO. 67 : : (50/25/75) : : TEN YR PROD= 1800:	HAWTHORNE	:	733.40 1037.53 754.49	:	28.52 42.60 29.43	:	0.0	:
: CASE NO. 65 : : (50/25/50) : : TEN YR PROD= 1530:	HAWTHORNE	: :	/14.77 1016.73 735.57		28.42 42.52 29.33	:	0 · 0 30 · 5	:
: CASE NO. 69 : (50/25/25) : TEN YR PROD= 1260:	HAWTHORNE	:	696.14 995.92 716.65	:	28.33 42.45 29.24	:	0.0 30.7	:
: CASE NO. 70 : : (50/25/0) : : TEN YR PROD= 990:	1 HAWTHORNE	:	677.51 975.11 697.73	:	28.24 42.38 29.16	:	0 • 0 30 • 9	:

ROX - HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /RISK INCREASE IN NEWPORT AAP COSTS CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 5% (COST IN SMILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

*-	IDENTIFICATIO	N : 1	SITE	:	COST	1	SIGMA	;	RISK(%)	-
1	CASE NO. 71 (50/ 0/100) TEN YR PROD=	: 1	NEWPORT HAWTHORNE MC ALESTER	:	727.23 1030.65 748.23	:	28.49 42.57 29.40	1	0.0 30.4	• •
1	CASE NO. 72 (50/ 0/ 75) TEN YR PROD=	: 1	NEWPORT HAWTHORNE MC ALESTER	:	708.60 1009.84 729.31	:	28.39 42.49 29.30	: :	0 • 0 30 • 6	20
1	CASE NO. 73 (50/ 0/50) TEN YR PROD=	: :	NEWPORT HAWTHORNE MC ALESTER	:	689.98 989.03 710.39	:	28.30 42.42 29.21	:	0 • 0 30 • 8	
1	CASE NO. 74 (50/ 0/ 25) TEN YR PROD=	8 1	NEWPORT HAWTHORNE MC ALESTER	:	671.35 968.23 691.47	:	28,22 42.37 29.14	:	0 • 0 31 • 0	
3	CASE NO. 75 (50/ 0/ 0) TEN YR PROD=	: :	NEWPORT HAWTHORNL MC ALESTER	:	652.72 947.42 672.55	:	28.16 42.32 29.07	:	0.0	
2	CASE NO. 76 (25/100/100) TEN YR PROD=	: 1	NEWPORT HAWTHORNE MC ALESTER	:	780.14 1089.74 801.96	:	28.83 42.84 29.74	:	0.0	
8	CASE NO. 7/ (25/100/ 75) TEN YR PROD=	::	NEWPORT HAWTHORNE MC ALESTER	:	761.51 1068.93 783.04	:	28.10 42.74 29.61	:	0 • 0 30 • 1	
2	CASE NO. 78 (25/100/ 50) TEN YR PROD=	: 1	NEWPORT HAWTHORNE MC ALESTER	:	742.88 1048.12 764.12	:	28.58 42.64 29.49	:	0 • 0 30 • 3	
2	CASE NO. 79 (25/100/ 25) TEN YR PROD=	: :	NEWPORT HAWTHORNE MC ALESTER	:	724.25 1027.32 745.20	:	28.47 42.56 29.38	:	0 · 0 30 · 4	
2	CASE NO. 80 (25/100/ 0) TEN YR PROD=	: 1	NEWPORT HAWTHORNE MC ALESTER	:	705.62 1006.51 726.28	:	28.37 42.48 29.28	:	0.0	

RDX - HMX SITE SELECTION
FOUR LINE CAPACITY
COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 5%
(COST IN SMILLION DISCOUNTED AT 10%)
(QUANTITIES IN MILLIONS OF LBS.)

I IDENTIFICATION 1	SITE	1	COST		SIGMA	1	RISK(%)	1
1 CASE NO. 81 ::	NEWPORI HAWTHORNE MC ALESTER	1	755.34 1062.04 776.78	:	28.66 42.70 29.57		0.0 30.1	:
: CASE NO. 82 :: : (25/ 75/ 75) :: : TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER	:	736.72 1041.24 757.86	2 8 8	28.54 42.61 29.45		0.0	:
: CASE NO. 83 :: : (25/ 75/ 50) :: : TEN YR PROD= 1710::	NEWPORT HAWTHORNE MC ALESTER	: :	718.09 1020.43 738.94	; 8	28.43 42.53 29.35	1	0.0 30.5	:
: CASE NO. 84 :: : (25/ 75/ 25) :: : TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER	: :	699.46 999.62 720.02	:	28.34 42.46 29.25	i	0 · 0 30 · 7	:
1 CASE NO. 85 1: 1 (25/75/0) :: 1 TEN YR PROD= 1170:	NEWPORT HAWTHORNE MC ALESTER	:	680.83 978.82 701.10	8	28.26 42.39 29.17	1 1	0 • 0 30 • 9	:
: CASE NO. 86 :: : (25/ 50/100) :: : TEN YR PROD= 1980::		:	730.55 1034.35 751.60	:	28.50 42.58 29.42	1	0 • 0 30 • 4	:
CASE NO. 8/ 1: 1 (25/50/75) :: TEN YR PROD= 1710::	NEWPORT HAWTHORNE MC ALESTER	:	711.92 1013.54 732.68	:	28.40 42.51 29.32	1	0.0	:
: CASE NO. 85 :: : (25/ 50/ 50) :: : TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER	:	693.29 992.74 713.75	:	25.31 42.44 29.23	:	0 · 0 30 · 8	:
: CASE NO. 87 :: : (25/ 50/ 25) :: : TEN YR PROD= 1170::	NEWPORT HAWTHORNE MC ALESTER	1 1	674.66 971.93 694.83	:	28.23 42.38 29.15	:	0 • 0 31 • 0	:
1 (25/ 50/ 0) 11		:	656.03 951.12 675.91	:	28.17 42.32 29.08		0.0 31.2	: : : : : : : : : : : : : : : : : : : :

*							
: IDENTIFICATION :	SITE	*	COST	8	SIGMA	ž.	RISK(%)
: CASE NO. 91 :: : (25/25/100) :: : TEN YR PROD= 1710::	NEWPOR! HAWTHORNE MC ALESTER		705.75 006.66 726.41	:	28.37 42.48 29.28	1	0.0
: CASE NO. 92 :: : (25/25/75) :: : TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER	:	687.12 985.85 707.49	:	28.28 42.42 29.20	:	0.0 30.8
: CASE NO. 93 :: : (25/ 25/ 50) :: : TEN YR PROD= 1170::	NEWPORT HAWTHORNE MC ALESTER	:	668.49 965.04 688.57	:	28.21 42.36 29.13	:	0 • 0 31 • 0
: CASE NO. 94 :: : (25/ 25/ 25) :: : TEN YR PROD= 900::	NEWPORT HAWTHORNE MC ALESTER	:	649.86 944.24 669.65	:	28.15 42.31 29.06	:	0.0 31.2
: CASE NO. 95 :: : (25/25/0) :: : TEN YR PROD= 630::	NEWPORT HAWTHORNE MC ALESTER	ī	631.23 923.43 650.73	:	28.10 42.27 29.01	:	0 • 0 31 • 5
: CASE NO. 96 :: : (25/ 0/100) :: : TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER	:	680.96 978.96 701.23	:	28.26 42.40 29.17	:	0 • 0 30 • 9
: CASE NO. 97 :: : (25/ 0/ 75] :: : TEN YR PROD= 1170::	NEWPORT HAWTHORNE MC ALESTER	1	662.33 958.16 682.31	:	28.19 42.34 29.10	:	0 • 0 31 • 1
: CASE NO. 90 :: : (25/ 0/ 50) :: : TEN YR PROD= 900::	NEWPORT HAWTHORNE MC ALESTER	ī	643.70 937.35 663.39	:	28.13 42.29 29.05	:	0.0 31.3
: CASE NO. 97 :: : (25/ 0/ 25) :: : TEN YR PROD= 630::	NEWPORT HAWTHORNE MC ALESTER	1	625.07 916.54 644.47	:	28.08 42.26 29.00	i î	0 · 0 31 · 5
: CASE NO. 100 :: : (25/ 0/ 0) :: : TEN YR PROD= 360::	NEWPORT HAWTHORNE MC ALESTER	:	606.44 895.74 625.55	:	28.04 42.23 28.96	:	0 · 0 31 · 8

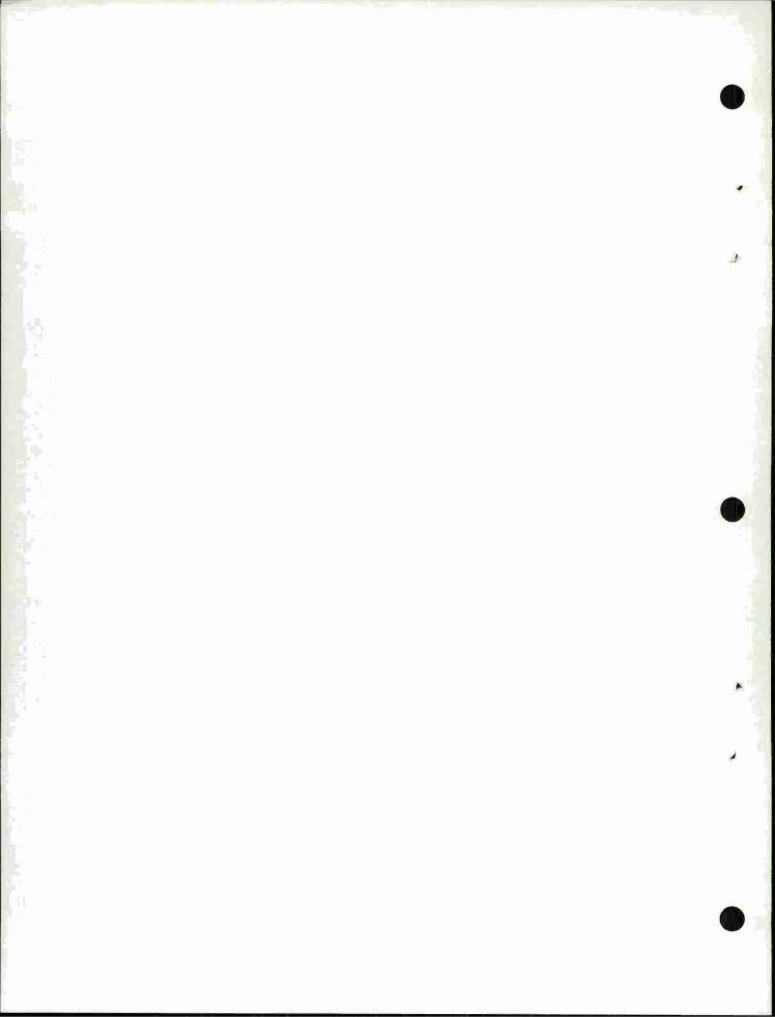
*							
: IDENTIFICATION ::	SITE		COST		SIGMA	1	RISK(%)
: (0/100/100) :: H	AWTHORNE		733.86 1038.05 754.96		28.52 42.60 29.43	:	0.0
: (0/100/ 75) :: H	AWTHORNE I		715.23 1017.24 736.04	1	28.42 42.52 29.33	1	0.0 30.5
: (0/100/ 50) :: H	AWTHORNE I		696.60 996.44 717.12	1	28.33 42.45 29.24	\$ \$ \$	0.0
: (0/100/ 25) :: H	AWTHORNE I		677.98 975.63 698.20	:	28.25 42.39 29.16	:	0.0
: (0/100/ 0) :: H	AWTHORNE		659.35 954.83 679.28	:	28.18 42.33 29.09	:	0 • 0 31 • 1
: (0/ 75/100) : H	AWTHORNE	1	709.07 1010.36 729.78	:	28.39 42.49 29.30	:	0.0
: (0/ 75/ 75) : H	AWTHORNE		690.44 989.55 710.86	:	28.30 42.43 29.21	:	0.0
: (0/ 75/ 50) 11 H	AWTHORNE		671.81 968.74 691.94	:	28.22 42.37 29.14	:	0 · 0 31 · 0
1 (0/ 75/ 25) 11 H	AWTHORNE		653.18 947.94 673.02	:	28.16 42.32 29.07	:	0 · 0 31 · 2
: (0/ 75/ 0) :: H	AWTHORNE		634.55 927.13 654.10	!	28.10 42.28 29.02	:	0 · 0 · 3 · 3 · 4
	: CASE NO. 101 :: N : (0/100/100) :: H : (0/100/100) :: H : TEM YR PROD= 2160:: M : CASE NO. 102 :: N : (0/100/75) :: H : CASE NO. 103 :: N : (0/100/50) :: H : CASE NO. 103 :: M : CASE NO. 104 :: N : (0/100/50) :: H : CASE NO. 105 :: M : CASE NO. 105 :: M : CASE NO. 105 :: M : CASE NO. 105 :: N : (0/100/ 0) :: H : CASE NO. 106 :: N : (0/100/ 0) :: H : CASE NO. 106 :: N : CASE NO. 106 :: N : (0/75/100) :: H : CASE NO. 106 :: N : CASE NO. 106 :: N : CASE NO. 106 :: M : CASE NO. 106 :: N : CASE NO. 107 :: N	: CASE NO. 101 :: NEWPOR! (0/100/100) :: HAWTHORNE TEN YR PROD= 2160:: MC ALESTER : CASE NO. 102 :: NEWPORT (0/100/ 75) :: HAWTHORNE : TEN YR PROD= 1890:: MC ALESTER : CASE NO. 103 :: NEWPORT (0/100/ 50) :: HAWTHORNE : TEN YR PROD= 1620:: MC ALESTER : CASE NO. 104 :: NEWPORT (0/100/ 25) :: HAWTHORNE : CASE NO. 105 :: NEWPORT (0/100/ 25) :: HAWTHORNE : CASE NO. 105 :: NEWPORT (0/100/ 0) :: HAWTHORNE : CASE NO. 106 :: NEWPORT : (0/75/100) :: HAWTHORNE : CASE NO. 106 :: NEWPORT : (0/ 75/100) :: HAWTHORNE : CASE NO. 106 :: NEWPORT : (0/ 75/75) :: HAWTHORNE : CASE NO. 106 :: NEWPORT : (0/ 75/75) :: HAWTHORNE : CASE NO. 106 :: NEWPORT : (0/ 75/ 50) :: HAWTHORNE : CASE NO. 106 :: NEWPORT : (0/ 75/ 50) :: HAWTHORNE : CASE NO. 107 :: NEWPORT : (0/ 75/ 50) :: HAWTHORNE : CASE NO. 107 :: NEWPORT : (0/ 75/ 50) :: HAWTHORNE : CASE NO. 107 :: NEWPORT : (0/ 75/ 50) :: HAWTHORNE : CASE NO. 107 :: NEWPORT : (0/ 75/ 50) :: HAWTHORNE : CASE NO. 107 :: NEWPORT : (0/ 75/ 50) :: HAWTHORNE : CASE NO. 107 :: NEWPORT : (0/ 75/ 50) :: HAWTHORNE : CASE NO. 107 :: NEWPORT : (0/ 75/ 50) :: HAWTHORNE : CASE NO. 107 :: NEWPORT : (0/ 75/ 50) :: HAWTHORNE : CASE NO. 109 :: NEWPORT : (0/ 75/ 50) :: HAWTHORNE	: CASE NO. 101 :: NEWPORT : : (0/100/100) :: HAWTHORNE : : TEN YR PROD= 2160:: MC ALESTER : : CASE NO. 102 :: NEWPORT : : (0/100/75) :: HAWTHORNE : : TEN YR PROD= 1890:: MC ALESTER : : CASE NO. 103 :: NEWPORT : : (0/100/50) :: HAWTHORNE : : TEN YR PROD= 1620:: MC ALESTER : : CASE NO. 104 :: NEWPORT : : (0/100/25) :: HAWTHORNE : : TEN YR PROD= 1350:: MC ALESTER : : CASE NO. 105 :: NEWPORT : : (0/100/0) :: HAWTHORNE : : TEN YR PROD= 1080:: MC ALESTER : : CASE NO. 106 :: NEWPORT : : (0/100/0) :: HAWTHORNE : : TEN YR PROD= 1080:: MC ALESTER : : CASE NO. 106 :: NEWPORT : : (0/75/100) :: HAWTHORNE : : CASE NO. 106 :: NEWPORT : : (0/75/75) :: HAWTHORNE : : CASE NO. 106 :: NEWPORT : : (0/75/75) :: HAWTHORNE : : CASE NO. 106 :: NEWPORT : : (0/75/50) :: HAWTHORNE : : CASE NO. 107 :: NEWPORT : : (0/75/25) :: HAWTHORNE : : CASE NO. 107 :: NEWPORT : : (0/75/25) :: HAWTHORNE : : CASE NO. 107 :: NEWPORT : : (0/75/25) :: HAWTHORNE : : CASE NO. 107 :: NEWPORT : : (0/75/25) :: HAWTHORNE : : CASE NO. 107 :: NEWPORT : : (0/75/25) :: HAWTHORNE : : CASE NO. 107 :: NEWPORT : : (0/75/25) :: HAWTHORNE : : CASE NO. 107 :: NEWPORT : : (0/75/25) :: HAWTHORNE : : CASE NO. 107 :: NEWPORT : : (0/75/25) :: HAWTHORNE : : CASE NO. 107 :: NEWPORT : : (0/75/25) :: HAWTHORNE : : (0/75/2	: CASE NO. 101 :: NEWPOR! : 733.86 : (0/100/100) :: HAWTHORNE : 1038.05 : TEN YR PROD= 2160:: MC ALESTER : 754.96 : CASE NO. 102 :: NEWPORT : 715.23 : (0/100/ 75) :: HAWTHORNE : 1017.24 : TEN YR PROD= 1890:: MC ALESTER : 736.04 : CASE NO. 103 :: NEWPORT : 696.60 : (0/100/ 50) :: HAWTHORNE : 996.44 : TEN YR PROD= 1620:: MC ALESTER : 717.12 : CASE NO. 104 :: NEWPORT : 677.98 : (0/100/ 25) :: HAWTHORNE : 975.63 : TEN YR PROD= 1350:: MC ALESTER : 698.20 : CASE NO. 105 :: NEWPORT : 659.35 : TEN YR PROD= 1080:: MC ALESTER : 679.28 : CASE NO. 106 :: NEWPORT : 709.07 : (0/ 75/100) :: HAWTHORNE : 954.83 : TEN YR PROD= 1080:: MC ALESTER : 729.78 : CASE NO. 106 :: NEWPORT : 709.07 : (0/ 75/100) :: HAWTHORNE : 989.55 : TEN YR PROD= 1620:: MC ALESTER : 710.86 : CASE NO. 106 :: NEWPORT : 690.44 : (0/ 75/ 50) :: HAWTHORNE : 989.55 : TEN YR PROD= 1620:: MC ALESTER : 710.86 : CASE NO. 107 :: NEWPORT : 690.44 : (0/ 75/ 50) :: HAWTHORNE : 968.74 : CASE NO. 107 :: NEWPORT : 671.81 : CASE NO. 107 :: NEWPORT : 653.18 : (0/ 75/ 50) :: HAWTHORNE : 968.74 : TEN YR PROD= 1350:: MC ALESTER : 673.02 : CASE NO. 107 :: NEWPORT : 653.18 : (0/ 75/ 25) :: HAWTHORNE : 947.94 : TEN YR PROD= 1080:: MC ALESTER : 673.02	: CASE NO. 101 :: NEWPORT : 733.86 : : (0/100/100) :: HAWTHORNE : 1038.05 : : TEN YR PROD= 2160:: MC ALESTER : 754.96 : : CASE NO. 102 :: NEWPORT : 755.96 : : (0/100/75) :: HAWTHORNE : 1017.24 : : TEN YR PROD= 1890:: MC ALESTER : 736.04 : : CASE NO. 103 :: NEWPORT : 696.60 : : (0/100/50) :: HAWTHORNE : 996.44 : : TEN YR PROD= 1620:: MC ALESTER : 717.12 : : CASE NO. 104 :: NEWPORT : 677.98 : : (0/100/50) :: HAWTHORNE : 975.63 : : TEN YR PROD= 1350:: MC ALESTER : 698.20 : : CASE NO. 105 :: NEWPORT : 698.20 : : CASE NO. 105 :: NEWPORT : 698.20 : : CASE NO. 105 :: NEWPORT : 699.35 : : (0/100/ 0) :: HAWTHORNE : 954.83 : : TEN YR PROD= 1080:: MC ALESTER : 679.28 : : CASE NO. 106 :: NEWPORT : 709.07 : : (0/ 75/100) :: HAWTHORNE : 964.83 : : TEN YR PROD= 1890:: MC ALESTER : 710.86 : : CASE NO. 106 :: NEWPORT : 729.78 : : CASE NO. 106 :: NEWPORT : 729.78 : : CASE NO. 106 :: NEWPORT : 729.78 : : CASE NO. 107 :: NEWPORT : 690.44 : : (0/ 75/ 75) :: HAWTHORNE : 989.55 : : TEN YR PROD= 1620:: MC ALESTER : 710.86 : : CASE NO. 107 :: NEWPORT : 691.94 : : CASE NO. 107 :: NEWPORT : 671.81 : : (0/ 75/ 25) :: HAWTHORNE : 968.74 : : TEN YR PROD= 1350:: MC ALESTER : 691.94 : : CASE NO. 107 :: NEWPORT : 634.55 : : TEN YR PROD= 1080:: MC ALESTER : 673.02 : : CASE NO. 110 :: NEWPORT : 634.55 : : TEN YR PROD= 1080:: MC ALESTER : 673.02 :	: CASE NO. 101 :: NEWPORT : 733.86 : 28.52 : (0/100/100) :: HAWTHORNE : 1038.05 : 42.60 : TEN YR PROD= 2160: MC ALESTER : 754.96 : 29.43 : CASE NO. 102 :: NEWPORT : 715.23 : 28.42 : (0/100/75) :: HAWTHORNE : 1017.24 : 42.52 : TEN YR PROD= 1890: MC ALESTER : 736.04 : 29.33 : CASE NO. 103 :: NEWPORT : 696.60 : 28.33 : (0/100/50) :: HAWTHORNE : 996.44 : 42.45 : TEN YR PROD= 1620: MC ALESTER : 717.12 : 29.24 : CASE NO. 104 :: NEWPORT : 677.98 : 28.25 : TEN YR PROD= 1620: MC ALESTER : 717.12 : 29.24 : (0/100/25) :: HAWTHORNE : 975.63 : 42.39 : TEN YR PROD= 1350: MC ALESTER : 698.20 : 29.16 : CASE NO. 105 :: NEWPORT : 659.35 : 28.18 : (0/100/25) :: HAWTHORNE : 975.63 : 42.33 : TEN YR PROD= 1080: MC ALESTER : 679.28 : 29.09 : CASE NO. 106 :: NEWPORT : 659.35 : 28.18 : (0/100/0) :: HAWTHORNE : 954.83 : 42.33 : TEN YR PROD= 1080: MC ALESTER : 679.28 : 29.09 : CASE NO. 106 :: NEWPORT : 709.07 : 28.39 : (0/75/100) :: HAWTHORNE : 1010.36 : 42.49 : TEN YR PROD= 1890: MC ALESTER : 729.78 : 29.30 : CASE NO. 106 :: NEWPORT : 709.07 : 28.39 : TEN YR PROD= 1620: MC ALESTER : 729.78 : 29.30 : CASE NO. 106 :: NEWPORT : 690.44 : 28.30 : TEN YR PROD= 1620: MC ALESTER : 729.78 : 29.30 : CASE NO. 106 :: NEWPORT : 690.44 : 28.30 : TEN YR PROD= 1620: MC ALESTER : 729.78 : 29.30 : CASE NO. 106 :: NEWPORT : 671.81 : 28.22 : (0/75/50) :: HAWTHORNE : 989.55 : 42.43 : TEN YR PROD= 1350: MC ALESTER : 691.94 : 29.14 : CASE NO. 107 :! NEWPORT : 671.81 : 28.22 : (0/75/25) :: HAWTHORNE : 947.94 : 42.37 : TEN YR PROD= 1350: MC ALESTER : 691.94 : 29.14 : CASE NO. 107 :! NEWPORT : 653.18 : 28.16 : (0/75/25) :: HAWTHORNE : 947.94 : 42.32 : TEN YR PROD= 1080: MC ALESTER : 673.02 : 29.07 : CASE NO. 110 :! NEWPORT : 634.55 : 28.10 : (0/75/25) :: HAWTHORNE : 947.94 : 42.32 : TEN YR PROD= 1080: MC ALESTER : 673.02 : 29.07 : CASE NO. 110 :! NEWPORT : 634.55 : 28.10 : (0/75/25) :: HAWTHORNE : 947.94 : 42.32 : TEN YR PROD= 1080: MC ALESTER : 673.02 : 29.07 : CASE NO. 110 :! NEWPORT : 634.55 : 28.10 : (0/75/25) :: HAWTHORNE : 927.13 : 42.28	: CASE NO. 101 :

IDENTIFICATION	SITE	1	COST		SIGMA	8	RISK(%)
CASE NO. 111	NEWDOD!		684.27		28.27	• • • • •	
(0/ 50/100)			982.66		42.41		0.0
TEN YR PROD= 1620			704.60	1	29.19	9	30.8
IEN TH PROUE TOEU	MC WEEDICK		707.00		C7 . 17		30.0
CASE NO. 112	1 NEWPORT	2	665.64		29.20	1	****
(0/ 50/ 75)	HAWTHORNE	1	961.86	\$	42.35	1	0.0
TEN YR PROD= 1350	MC ALESTER	1	685.68	3	29.12	*	31.1
CACC NO. 112	NEWPORT	1	647.01	:	28.14		****
	HAWTHORNE	2	941.05	2	42.30		0.0
TEN YR PROD= 1080			666.75		29.05		31.3
TEN TR PRODE 1080	THE ALESIER		000.75		27000		21.2
CASE NO. 114	NEWPORT	1	628.38	3	28.09	ī	****
	HAWTHORNE	1	920.24	8	42.26	1	0.0
TEN YR PROD= 810	MC ALESTER	1	647.83	8	29.01	\$	31.5
CASE NO. 115	* NEWPORT	:	609.75	1	28.05	:	****
	HAWTHORNE	i	899.44		42.24	2	0 • 0
TEN YR PROD= 540			628.91	2	29.97	2	31.7
CASE NO. 116	1 NEWPORT	1	659.48	2	28.18	2	****
(0/ 25/100)	1 HAWTHORNE	3	954.97	2	42.33	2	0.0
TEN YR PROD= 1350	MC ALESTER	1	679.41		29.09	2	31.1
CASE NO. 11/	NEWPORT	:	640.85	1	28.12		****
	HAWTHORNE	1	934.16	2	42.29	î	0.0
TEN YR PROD= 1080			660.49	2	29.04	1	31.3
CASE NO. 118	1 NEWPORT		622.22	2	28.07	2	****
	1 HAWTHORNE	2	913.36	2	42.25	\$	0.0
TEN YR PROD= 810	MC ALESTER	1	641.57		28.99	1	31.6
CASE NO. 117	: NEWPORT	:	603.59		28.04	:	*****
	HAWTHORNE	3	892.55	1	42.23	1	0.0
TEN YR PROD= 540			622.65	1	28.96	8	31.8
	NEWPORT	3	584.96	8	20.02	:	****
	1 HAWTHORNE	2	871.74	\$	42.21	8	0.0
TEN YR PROD= 2701	" MC ALESTER	1	603.73	1	28.94	*	32.1

1

RDX - HMX SITE SELECTION FOUR LINE CAPACITY

*									4
: IDFNTIFICATIO	N : 1	SITE	1	COST	12	SIGMA	1	RISK (%)	:
		*******	• • •						
: CASE NO. 121		NEWPOR	1	634.68	1	28.10	\$	****	
: (0/ 0/100)		HAWTHORNE	\$	927.28	1	42.28	8	0.0	1
: TEN YR PROD=	1080::	MC ALESTER	8	654.23	8	29.02	8	31.4	2
I CASE NO. 122	::	NEWPORT		616.05		20.04		******	#
: (0/ 0/ 75)					1	28.06	*	****	8
			8	906.47	3	42.24	. 1	0.0	\$
I TEM YR PRODE	810:1	MC ALESTER		635.31	*	28.98		31.7	8
: CASE NO. 123	1.1	NEWPORT	1	597.42	:	28.03	1	****	
: (0/ 0/ 50)	2 2	HAWTHORNE	2	885.66		42.22	2	0.0	
: TEN YR PROD=		MC ALESTER		616.39		28.95		31.9	
Ø									#
1 CASE NO. 124		NEWPORT		578.79	II.	20.01	1	****	
: (0/ 0/ 25)	1 :	HAWTHORNE	2	864.86	1	42.21	1	0.0	:
: TEN YR PROD=	270::	MC ALESTER	1	597.47		28.93	1	32.1	1
: CASE NO. 125	::	NEWDOOT		540 14					
		NEWPORT		560.16	2	28.01	1	****	3
: (0/ 0/ 0)	: 1		1	844.05	1	42.20	\$	0.0	
: TEN YR PROD=	0::	MC ALESTER	1	578.55	2	28.93	1	32.4	1



RDX - HMX SITE SELECTION FOUR LINE CAPACITY COSI /SENSITIVITY /RISK INCREASE IN NEWPORT AAP COSTS CONST=-10%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0% (COST IN \$MILLION DÏSCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

	*								db-
	: IDFNTIFICATION ::	SITE	1	COST	1	SIGMA	1	RISK (%)	3
*	: CASE NO. 1 :: : (100/100/100) :: : TEN YR PROD= 3600::	NEWPORT HAWTHORNE MC ALESTER		861.39 1244.79 942.96	:	27.55 43.87 31.03	1	0.0	
	: CASE NO. 2 :: : (100/100/ 75) :: : TEN YR PROD= 3330::	NEWPORT HAWTHORNE MC ALESTER	:	842.84 1223.99 924.04	8 8 8	27.33 43.71 30.83	:	0 • 0 2 • 4	
	: CASE NO. 3 :: : (100/100/ 50) :: : TEN YR PROD= 3060::	NEWPORT HAWTHORNE MC ALESTER	: :	824.29 1203.18 905.12	8	27.11 43.55 30.63	\$ 8 8	0.0	
	: CASE NO. 4 :: : (100/100/ 25) :: : TEN YR PROD= 2790::	NEWPORT HAWTHORNE MC ALESTER	:	805.75 1182.37 886.20	:	26.90 43.40 30.44	:	0 • 0 2 • 4	
0	: CASE NO. 5 :: : (100/100/ 0) :: : TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	:	787.20 1161.57 867.28	:	26.70 43.26 30.27	8 8 8	0 • 0 2 • 4	
	: CASE NO. 6 :: : (100/ 75/100) :: : TEN YR PROD= 3330::	NEWPORT HAWTHORNE MC ALESTER	-	836.70 1217.10 917.78	:	27.25 43.65 30.76	\$ 8	0 • 0 2 • 4	
	: CASE NO. 7 :: : (100/75/75) :: : TEN YR PROD= 3060::		:	818.15 1196.29 898.86	:	27.04 43.50 30.57	\$ \$ \$	0 • 0 2 • 4	1
4	: CASE NO. 5 :: : (100/ 75/ 50) :: : TEN YR PROD= 2790::	NEWPORT HAWTHORNE MC ALESTER	:	799.61 1175.49 879.94	1	26.83 43.35 30.38	: :	0 • 0 2 • 4	
	: CASE NO. 7 :: : (100/ 75/ 25) :: : TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	:	781.06 1154.68 861.02	1	26.64 43.21 30.21	:	0 • 0 2 • 4	
1	: CASE NO. 10 :: : (100/ 75/ 0) :: : TEN YR PROD= 2250::		:	762.51 1133.87 842.10	:	26.46 43.08 30.05	:	0.0	

COST /SENSITIVITY /HISK
INCREASE IN NEWPORT AAP COSTS
CONST=-10%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%
(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION 1	SITE	1	cost		SIGMA	:	RISK(%)
CASE NO. 11 :: (100/ 50/100) :: TEN YR PROD= 3060::	NEWPORI HAWTHORNE MC ALESTER	:	812.01 1189.41 892.59	:	26.97 43.45 30.50	1	0.0
CASE NO. 12 :: (100/ 50/ 75) :: TEN YR PROD= 2790::	NEWPORT HAWTHORNE MC ALESTER	1 .	793.47 1168.60 873.67	:	26.77 43.31 30.32	1	0 • 0 2 • 4
CASE NO. 13 :: (100/ 50/ 50) TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	:	774.92 1147.79 854.75	:	26.58 43.17 30.15		0 · 0 2 · 4
CASE NO. 14 :: (100/ 50/ 25) :: TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER	‡ ‡	756.37 1126.99 835.83	1 1	26.40 43.04 30.00	:	0 · 0 2 · 3
CASE NO. 15 :: (100/ 50/ 0) :: TEN YR PROD= 1980:	NEWPORT HAWTHORNE MC ALESTER	:	737.82 1106.18 816.91	; ;	26.24 42.93 29.85	:	0.0
CASE NO. 16 :: (100/ 25/100) :: TEN YR PROD= 2790::	NEWPORT HAWTHORNE MC ALESTER	1	787.33 1161.71 867.41	\$: :	26.71 43.26 30.27		0.0
CASE NO. 17 :: (100/ 25/ 75) :: TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	1 1	768.78 1140.91 848.49	: : :	26.52 43.13 30.10	:	0 · 0 2 · 3
CASE NO. 18 :: (100/ 25/ 50) :: TEN YR PROD= 2250:		:	750.23 1120.10 829.57		26.35 43.00 29.94	*	0 · 0 2 · 3
CASE NO. 19 :: (100/ 25/ 25) :: TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER	: :	731.68 1099.29 810.65	:	26.18 42.89 29.80	:	0 · 0 2 · 3
CASE NO. 29 :: (100/ 25/ 0) :: TEN YR PROD= 1710::	NEWPORT HAWTHORNE MC ALESTER	:	713.13 1078.49 791.73	:	26.03 42.78 29.66	1	0.0

RDX - HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /KISK

INCREASE IN NEWPORT AAP COSTS
CONST==10%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%
(COST IN SMILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

#								
: IDENTIFICATION ::	SITE	1	COST	4	SIGMA		RISK(%)	1
: CASE NO. 21 :: : (100/ 0/100) :: : TEN YR PROD= 2520::	NEWPOR! HAWTHORNE MC ALESTER		762.64 1134.02 842.23	1	26.46 43.09 30.05	:	0.0	1
: CASE NO. 22 :: : (100/ 0/75) :: : TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER	1	744.09 1113.21 823.31	:	26.29 42.96 29.90	1	0.0	1
: CASE NO. 23 :: : (100/ 0/ 50) :: : TEN YR PROD= 1980::	The said of the sa	:	725.54 1092.41 804.39	1 1 1	26.13 42.85 29.75		0.0	3 3 3
: CASE NO. 24 :: : (100/ 0/25) :: : TEN YR PROD= 1710::	NEWPORT HAWTHORNE MC ALESTER	:	706.99 1071.60 785.47	! ! !	25.49 42.75 29.62	1	0.0	:
: CASE NO. 25 :: : (100/ 0/ 0) :: : TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER	1	688.45 1050.79 766.55	:	25.85 42.65 29.50	:	0 • 0 2 • 3	
: CASE NO. 26 :: : (75/100/100 / :: : TEN YR PROD= 3240::	NEWPORT HAWTHORNE MC ALESTER	1	815.31 1193.11 895.96	:	27.01 43.48 30.54	1	0.0	1 1
: CASE NO. 27 :: : (75/100/ 75) :: : TEN YR PROD= 2970::	NEWPORT HAWTHORNE MC ALESTER	1	796.77 1172.30 877.04	:	26.80 43.33 30.36	1	0.0	:
: CASE NO. 28 :: : (75/100/ 50) :: : TEN YR PROD= 2700::		:	778.22 1151.49 858.12	:	26.61 43.19 30.18	1	0 • 0 2 • 4	1 1
: CASE NO. 27 :: : (75/100/25) :: : TEN YR PROD= 2430::	NEWPORT HAWTHORNE MC ALESTER	:	/59.67 1130.69 839.20	; ; ;	26.43 43.07 30.02	:	0 · 0 2 · 3	1
: CASE NO. 30 :: : (75/100/ 0) :: : TEN YR PROD= 2160::		:	741.12 1109.88 820.28	:	26.27 42.95 29.87	:	0 • 0 2 • 3	:

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1	IDENTIFICATION :	SITE	1	COST	•	SIGMA	\$	RISK(%)	1
	CASE NO. 31 :: (75/ 75/100) :: TEN YR PROD= 2970::	NEWPORT HAWTHORNE MC ALESTER	1	790,63 1165,41 870.78	1 1	26.74 43.28 30.30	:	0.0	:
1	CASE NO. 32 :: (75/ 75/ 75) :: TEM YR PROD= 2700::	NEWPORT HAWTHORNE MC ALESTER	:	772.08 1144.61 851.86	:	26.55 43.15 30.13	:	0.0 2.3	:
	CASE NO. 33 : 1 1 (75/75/50) : 1 1 TEN YR PROD= 2430: 1	NEWPORT HAWTHORNE MC ALESTER	1 1	753.53 1123.80 832.94	1	26.38 43.02 29.97	:	0.0 2.3	:
	CASE NO. 34 :: 1 (75/75/25) :: 1 TEN YR PROD= 2160::	NEWPORT HAWTHORNE MC ALESTER	1 2	734.98 1102.99 814.02		26.21 42.91 29.82	:	0 • 0 2 • 3	:
	CASE NO. 35 :: (75/75/0) :: TEN YR PRON= 1890::	NEWPORT HAWTHORNE MC ALESTER	:	716.43 1082.19 795.10	1	26.06 42.80 29.69	:	0.0 2.3	1
	CASE NO. 36 :: (75/ 50/100! :: : TEN YR PROD= 2700:	NEWPORT HAWTHORNE MC ALESTER	:	/65.94 1137.72 845.59		26.49 43.11 30.08	*	0.0	:
	CASE NO. 37 :: (75/ 50/ 75) :: TEN YR PROD= 2430::	NEWPORT HAWTHORNE MC ALESTER	:	747.39 1116.91 826.67	:	26.32 42.99 29.92	1	0.0	:
	CASE NO. 38 :: (75/ 50/ 50) :: TEN YR PROD= 2160::	NEWPORT HAWTHORNE MC ALESIER	:	728.84 1096.11 807.75	i i	26.16 42.87 29.78	:	0 · 0 2 · 3	:
	CASE NO. 37 :: (75/ 50/ 25) :: TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	: :	710.29 1075.30 788.83	: : :	26.01 42.77 29.65	1 1	0 • 0 2 • 3	:
	CASE NO. 40 :: 1 (75/50/0) :: 2 TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER	2 2	691.75 1054.49 769.91	:	25.88 42.67 29.52	:	0 • 0 2 • 3	:

: IDENTIFICATION :	SITE	:	COST		SIGMA	:	RISK(%)	:
: CASE NO. 41 :: : (75/ 25/100) :: : TEN YR PROD= 2430::	NEWPOR! HAWTHORNE MC ALESTER		741.25 1110.03 820.41	:	26.27 42.95 29.87	:	0.0	:
: CASE NO. 42 :: : (75/25/75) :: : TEM YR PROD= 2160::	NEWPORT HAWTHORNE MC ALESTER	:	722.70 1089.22 801.49	:	26.11 42.84 29.73		0.0	:
: CASE NO. 43 :: : (75/25/50) :: : TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER		/04.15 1068.41 782.57	:	25.97 42.73 29.60	1	0.0	:
: CASE NO. 44 :: : (75/ 25/ 25! :: : TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER		685.61 1047.61 763.65	:	25.83 42.64 29.48	:	0.0	:
: CASE NO. 45 :: : (75/25/0) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	2 2	667.06 1026.80 744.73	:	25./1 42.56 29.38	:	0.0	:
: CASE NO. 46 :: : (75/ 0/100) :: : TEN YR PROD= 2160::		\$ \$	716.56 1082.33 795.23	:	26.06 42.80 29.69	:	0 • 0 2 • 3	:
: CASE NO. 47 :: : (75/ 0/ 75) :: : TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	:	698.02 1061.53 776.31	:	25.92 42.70 29.56	:	0 • 0 2 • 3	:
: CASE NO. 45 :: : (75/ 0/50) :: : TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER	1	679.47 1040.72 757.39	1	25./9 42.61 29.45	:	0 · 0 2 · 3	
: CASE NO. 49 :: : (75/ 0/25) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER		660.92 1019.91 738.47	:	25.08 42.53 29.34		0.0	:
: CASE NO. 50 :: : (75/ 0/ 0) :: : TEN YR PROD= 1080::		:	642.37 999.11 719.55	:	25.57 42.46 29.25	:	0.0	:

RDX - HMX SITE SELECTION FUUR LINE CAPACITY COSI /SENSITIVITY /RISK

3								
: IDENTIFICATION :	SITE	3	COST	2	SIGMA	1	RISK(%)	
: CASE NO. 51 : : (50/100/100) : : TEN YR PROD= 2880:	HAWTHORNE		769.24 1141.42 848.96	:	25.52 43.13 30.10	:	0.0	• •
: CASE NO. 52 : : (50/100/75) : : TEN YR PROD= 2610:	HAWTHORNE	: (: :	/50.69 1120.62 830.04	:	26.35 43.01 29.95	:	0.0	
CASE NO. 53 : (50/100/ 50) : TEN YR PROD= 2340:	HAWTHORNE	:	732.14 1099.81 811.12	:	26.19 42.89 29.80	:	0.0	
: CASE NO. 54 : (50/100/ 25) : TEN YR PROD= 2070:	HAWTHORNE	:	/13.59 1079.00 792.20	:	25.04 42.78 29.67	î	0.0	
: CASE NO. 55 : : (50/100/ 0) : : TEN YR PROD= 1800:	HAWTHORNE	:	695.05 1058.20 773.28	:	25. y 0 42.69 29.54	:	0.0	
: CASE NO. 56 :: (50/75/100) :: TEN YR PROD= 2610:	HAWTHORNE	:	744.55 1113.73 823.78	:	26.30 42.97 29.90	:	0.0	
CASE NO. 5/ :: (50/ 75/ 75) TEN YR PROD= 2340:	HAWTHORNE	1 1	726.00 1092.92 804.86	:	26.14 42.85 29.76	:	0.0	
: CASE NO. 58 :: : (50/75/50) :: : TEN YR PROD= 2070:	HAWTHORNE	:	701.46 1072.12 785.94	:	25.49 42.75 29.63	:	0.0	
CASE NO. 57 :: (50/ 75/ 25) :: TEN YR PROD= 1800:	HAWTHORNE	:	688.91 1051.31 767.02	!	25.06 42.66 29.51	:	0.0	
: CASE NO. 60 :: : (50/75/0) :: : TEN YR PROD= 1530:	HAWTHORNE	:	670.36 1030.50 748.10	:	25.73 42.57 29.40	:	0.0	

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: IDENTIFICATION :	SITE		CUST	:	SIGMA	<u> </u>	RISK(%)	1
: CASE NO. 61 :: : (50/50/100) :: : TEN YR PROD= 2340::	NEWPOR! HAWTHORNE MC ALESTER		719.86 1086.03 798.60	:	26.09 42.82 29.71	:	0.0	:
: CASE NO. 62 :: : (50/50/75) :: : TEN YR PROD= 2070::	NEWPORT HAWTHORNE MC ALESTER	:	/01.32 1065.23 779.67	:	25.94 42.72 29.58	; ;	0 • 0 2 • 3	:
: CASE NO. 63 :: : (50/50/50) :: : TEN YR PROD= 1800::	NEWPORT HAWTHORNE MC ALESTER	1	682.77 1044.42 760.75	: : : : : : : : : : : : : : : : : : : :	25.01 42.63 29.47	i i	0.0	:
: CASE NO. 64 :: : (50/50/25) :: : TEN YR PROD= 1530::	NEWPORT HAWTHORNE MC ALESTER	:	664.22 1023.61 741.83	1 .	25.70 42.54 29.36	:	0.0	:
: CASE NO. 65 :: : (50/50/0) :: : TEN YR PROD= 1260::	NEWPORT HAWTHORNE MC ALESTER	:	645.67 1002.81 722.91	:	25.59 42.47 29.27	1	0.0	:
: CASE NO. 66 :: : (50/25/100) :: : TEN YR PROD= 2070::		:	695.18 1058.34 773.41	:	25.90 42.69 29.54	:	0 • 0 2 • 3	:
: CASE NO. 6/ :: : (50/25/75) :: : TEN YR PROD= 1800::	NEWPORT HAWTHORNE MC ALESTER	: :	676.63 1037.53 754.49	:	25.// 42.60 29.43	:	0 • 0 2 • 3	:
: CASE NO. 65 :: : (50/25/50) :: : TEN YR PROD= 1530::	NEWPORT HAWTHORNE MC ALESTER	:	658.08 1016.73 735.57	:	25.66 42.52 29.33	1	0 • 0 2 • 3	:
: CASE NO. 69 :: : (50/25/25) :: : TEN YR PROD= 1260::	NEWPORT HAWTHORNE MC ALESTER	:	639.53 995.92 716.65	:	25.56 42.45 29.24	:	0 • 0 2 • 4	:
: CASE NO. 70 :: : (50/25/0) :: : TEN YR PROD= 990::	NEWPORT HAWTHORNE MC ALESTER	1	620.98 975.11 697.73	i	25.4/ 42.38 29.16	:	0 • 0 2 • 4	:

COSI /SENSITIVITY /HISK
INCREASE IN NEWPORT AAP COSTS
CONST=-10%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%
(COST IN \$MILLION DISCOUNTED AT 10%)
(QUANTITIES IN MILLIONS OF LBS.)

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: IDENTIFICATION :	SITE	1	COST		SIGMA	I RISK(%) I
: CASE NO. 71 :: : (50/ 0/100) :: : TEN YR PROD= 1800::	HAWTHORNE	:	670.49 1030.65 748.23	:	25.73 42.57 29.40	0.00
CASE NO. 72 :: (50/ 0/75) :: TEN YR PROD= 1530::	NEWPORT HAWTHORNE MC ALESTER	1 1	651.94 1009.84 729.31	:	25.62 42.49 29.30	0.0
CASE NO. 73 :: (50/ 0/ 50) :: TEN YR PROD= 1260::	NEWPORT HAWTHORNE MC ALESTER	:	633.39 989.03 710.39	:	25.53 42.42 29.21	: 0.0 : 2.4
: CASE NO. 74 :: : (50/ 0/25) :: : TEN YR PROD= 990::	NEWPORT HAWTHORNE MC ALESTER	2 2	614.84 968.23 691.47	:	25.44 42.37 29.14	: 0.0 : 0.0 : 2.4
: CASE NO. 75 :: : (50/ 0/ 0) :: : TEN YR PROD= 720::	NEWPORT HAWTHORNE MC ALESTER	: :	596.30 947.42 672.55	:	25.37 42.32 29.07	: ****
: CASE NO. 76 :: : (25/100/100) :: : TEN YR PROD= 2520::		:	723.16 1089.74 801.96	: :	26.11 42.84 29.74	: 0.0 : 2.3
CASE NO. 7/ :: (25/100/ 75) :: TEN YR PROD= 2250::			704.62 1068.93 783.04	: :	25.9/ 42.74 29.61	0 · 0 : 2 · 3 :
: CASE NO. 75 :: : (25/100/ 50) :: : TEN YR PROD= 1980::		:	686.07 1048.12 764.12	\$ \$	25.84 42.64 29.49	: ••••• : 0•0 : 2•3
CASE NO. 79 :: (25/100/ 25) :: TEN YR PROD= 1710::	NEWPORT HAWTHORNE MC ALESTER	:	667.52 1027.32 745.20	:	25.72 42.56 29.38	: 0 · 0 : 2 · 3 :
CASE NO. 80 :: (25/100/ 0) :: TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER	:	648.97 }006.51 726.28	:	25.61 42.48 29.28	: **** : : 0.0 : 2.3

: IDENTIFICATION :		:	COST		SIGMA	į	RISK (%)	1
: CASE NO. 81 : : (25/75/100) : : TEN YR PROD= 2250:	HAWTHORNE	1	698.48 1062.04 776.78	:	25.92 42.70 29.57	:	0.0	:
: CASE NO. 82 : : (25/ 75/ 75! : : TEN YR PROD= 1980:	HAWTHORNE	1 1	679,93 1041.24 757.86	1 1	25.79 42.61 29.45	:	0.0	1
: CASE NO. 83 : : (25/75/50) : : TEN YR PROD= 1710:	HAWTHORNE	:	661.38 1020.43 738.94	1 1 1	25.68 42.53 29.35	:	0.0	:
: CASE NO. 84 : : (25/ 75/ 25) : : TEN YR PROD= 1440:	HAWTHORNE	1 2	642.63 999.62 720.02	1 1	25.57 42.46 29.25	3 8	0.0	1 1
CASE NO. 85 : (25/75/0) : TEN YR PROD= 1170:	HAWTHORNE	:	624.28 978.82 701.10	1	25.48 42.39 29.17	:	0 • 0 2 • 4	1 1
: CASE NO. 86 : : (25/50/100) : : TEN YR PROD= 1980:	HAWTHORNE	= =	673.79 1034.35 751.60	1	25.75 42.58 29.42	:	0 · 0 2 · 3	1
: CASE NO. 87 : : (25/50/75) : : TEN YR PROD= 1710:	HAWTHORNE	:	655.24 1013.54 732.68	:	25.64 42.51 29.32	:	0 · 0 2 · 3	:
: CASE NO. 88 : : 1 (25/ 50/ 50) : 1: TEN YR PROD= 1440:	HAWTHORNE	:	636.69 992.74 713.75	1	25.54 42.44 29.23	:	0.0	:
: CASE NO. 87 : : (25/50/25) : : TEN YR PROD= 1170:	HAWTHORNE	: :	618.14 971.93 694.83	;	25.46 42.38 29.15	1	0.0	:
1 CASE NO. 9U 1 1 (25/50/0) 1 1 TEN YR PROD= 900:	HAWTHORNE	:	599.60 951.12 675.91	:	25.38 42.32 29.08	:	0.0	!

RDX - HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /MISK INCREASE IN NEWPORT AAP COSTS CONST==10%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0% (COST IN SMILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

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: IDENTIFICATION ::	SITE	COST	SIGMA	RISK(%)	8
: CASE NO. 91 :: : (25/25/100) :: : TEN YR PROD= 1710::	HAWTHORNE		25.61 42.48 29.28	0.0	:
: CASE NO. 92 :: : (25/25/75) :: : TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER	985.85	25.51 242.42 29.20	0.0	:
: CASE NO. 93 :: : (25/25/50) :: : TEN YR PROD= 1170::	NEWPORT HAWTHORNE MC ALESTER		25.43 42.36 29.13	0.0	:
: CASE NO. 94 :1 : (25/25/25) :1 : TEN YR PROD= 900:	NEWPORT HAWTHORNE MC ALESTER	593.46 944.24 669.65	: 25.36 : 42.31 : 29.06	0.0	:
: CASE NO. 95 :: : (25/25/0) :: : TEN YR PROD= 630::	NEWPORT HAWTHORNE MC ALESTER	574.91 923.43 650.73	25.30 42.27 29.01	0.0	:
: CASE NO. 96 :: : (25/ 0/100) :: : TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER	978.96	25.48 : 42.40 : 29.17	0.0	:
CASE NO. 97 :: 1 (25/ 0/ 75) :: TEN YR PROD= 1170::	NEWPORT HAWTHORNE MC ALESTER	958.16	25.41 : 42.34 : 29.10	0 • 0 2 • 4	:
: CASE NO. 95 :1 : (25/ 0/ 50) :1 : TEN YR PROD= 900:	NEWPORT HAWTHORNE MC ALESTER		25.34 42.29 29.05	0 · 0 2 · 4	1
: CASE NO. 99 :: : (25/ 0/ 25) :: : TEN YR PROD= 630::	NEWPORT HAWTHORNE MC ALESTER		25.29 42.26 29.00	0 · 0 2 · 5	:
: CASE NO. 100 :: : (25/ 0/ 0) :: : TEN YR PROD= 360::	NEWPORT HAWTHORNE MC ALESTER	895.74	25.25 42.23 28.96	0.0	:

DATE: 16 JAN 75

RDX - HMX SITE SELECTION FOUR LINE CAPACITY

COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST=-10%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%
(COST IN SMILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

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: IDENTIFICATION 1	SITE	1	COST	2	SIGMA	1	RISK(%)	- 4
CASE NO. 101 :: : (0/100/100) :: : TEN YR PROD= 2160::			677.09 1038.05 754.96	:	25.78 42.60 29.43	:	0.0	1
1 (0/100/ 75)			658.54 1017.24 736.04	:	25.66 42.52 29.33	1	0 · 0 2 · 3	:
: CASE NO. 103 :: : (0/100/ 50) :: : TEN YR PROD= 1620::			637.99 996.44 717.12	1	25.56 42.45 29.24	î î	0 • 0 2 • 4	:
: CASE NO. 104 :: : (0/100/ 25) :: : TEN YR PROD= 1350::			621.44 975.63 698.20	: :	25.47 42.39 29.16	1 1	0.0	1
CASE NO. 105 :: (0/100/ 0) :: TEN YR PROD= 1080::			602.90 954.83 679.28	2 2 2	25.39 42.33 29.09	1	0.0	1
			652.40 1010.36 729.78	1 1 1	25.63 42.49 29.30	1	0 • 0 2 • 3	1 1 1
: CASE NO. 107 :: : (0/ 75/ 75) :: : TEN YR PROD= 1620::			633.85 989.55 710.86	\$ \$ \$	25.53 42.43 29.21	1	0.0	1 1
: (0/ 75/ 50) : 1	NEWPORT HAWTHORNE MC ALESTER	1 1	615.30 968.74 691.94	:	25.44 42.37 29.14	1 1 1	0 • 0 2 • 4	1
: CASE NO. 109 :: : (0/ 75/ 25) :: : TEN YR PROD= 1080::			596.76 947.94 673.02	1	25.37 42.32 29.07	1	0 • 0 2 • 4	:
CASE NO. 110 :: (0/ 75/ 0) :: TEN YR PROD= 810::	NEWPORT HAWTHORNE MC ALESTER	:	578.21 927.13 654.10	1 1	25.31 42.28 29.02	:	0.0	:
	CASE NO. 101 13 13 14 15 16 16 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	CASE NO. 101 :: NEWPOR! (0/100/100) :: HAWTHORNE TEN YR PROD= 2160:: MC ALESTER CASE NO. 102 :: NEWPORT (0/100/ 75) :: HAWTHORNE TEN YR PROD= 1890:: MC ALESTER CASE NO. 103 :: NEWPORT (0/100/ 50) :: HAWTHORNE CASE NO. 104 :: NEWPORT (0/100/ 50) :: HAWTHORNE CASE NO. 104 :: NEWPORT (0/100/ 25) :: HAWTHORNE TEN YR PROD= 1350:: MC ALESTER CASE NO. 105 :: NEWPORT (0/100/ 0) :: HAWTHORNE TEN YR PROD= 1080:: MC ALESTER CASE NO. 106 :: NEWPORT (0/ 75/100) :: HAWTHORNE TEN YR PROD= 1890:: MC ALESTER CASE NO. 107 :: NEWPORT (0/ 75/ 75) :: HAWTHORNE CASE NO. 107 :: NEWPORT (0/ 75/ 75) :: HAWTHORNE CASE NO. 107 :: NEWPORT (0/ 75/ 50) :: HAWTHORNE CASE NO. 107 :: NEWPORT (0/ 75/ 50) :: HAWTHORNE CASE NO. 107 :: NEWPORT (0/ 75/ 50) :: HAWTHORNE CASE NO. 109 :: NEWPORT CASE NO. 109 :: NEWPORT (0/ 75/ 50) :: HAWTHORNE CASE NO. 109 :: NEWPORT CASE NO. 100 :: NEWPORD CASE NO. 100 :: NEWPORD CASE NO. 100 :: NEWPORD CASE NO. 10	CASE NO. 101 :: NEWPOR! :: (0/100/100) :: HAWTHORNE :: TEN YR PROD= 2160:: MC ALESTER :: CASE NO. 102 :: NEWPORT :: (0/100/ 75) :: HAWTHORNE :: TEN YR PROD= 1890:: MC ALESTER :: CASE NO. 103 :: NEWPORT :: (0/100/ 50) :: HAWTHORNE :: TEN YR PROD= 1620:: MC ALESTER :: CASE NO. 104 :: NEWPORT :: (0/100/ 25) :: HAWTHORNE :: TEN YR PROD= 1350:: MC ALESTER :: CASE NO. 105 :: NEWPORT :: (0/100/ 0) :: HAWTHORNE :: TEN YR PROD= 1080:: MC ALESTER :: CASE NO. 106 :: NEWPORT :: (0/75/100) :: HAWTHORNE :: TEN YR PROD= 1890:: MC ALESTER :: CASE NO. 107 :: NEWPORT :: (0/75/75) :: HAWTHORNE :: TEN YR PROD= 1620:: MC ALESTER :: CASE NO. 108 :: NEWPORT :: (0/75/75) :: HAWTHORNE :: TEN YR PROD= 1620:: MC ALESTER :: CASE NO. 108 :: NEWPORT :: (0/75/50) :: HAWTHORNE :: TEN YR PROD= 1350:: MC ALESTER :: CASE NO. 109 :: NEWPORT :: (0/75/25) :: HAWTHORNE :: CASE NO. 109 :: NEWPORT :: (0/75/25) :: HAWTHORNE :: CASE NO. 109 :: NEWPORT :: (0/75/25) :: HAWTHORNE :: CASE NO. 109 :: NEWPORT :: (0/75/25) :: HAWTHORNE :: CASE NO. 109 :: NEWPORT :: (0/75/25) :: HAWTHORNE :: CASE NO. 109 :: NEWPORT :: (0/75/25) :: HAWTHORNE :: CASE NO. 110 :: NEWPORT :: (0/75/25) :: HAWTHORNE :: CASE NO. 110 :: NEWPORT :: (0/75/25) :: HAWTHORNE :: (0/75/25) :: (0/75/25) :: (0/75/25) :: (0/75/25) ::	CASE NO. 101 NEWPOR! 677. U9 (0/100/100) HAWTHORNE 1038.05 TEN YR PROD= 2160: MC ALESTER 754.96 CASE NO. 102 NEWPORT 658.54 (0/100/75) HAWTHORNE 1017.24 TEN YR PROD= 1890: MC ALESTER 736.04 CASE NO. 103 NEWPORT 637.99 (0/100/50) HAWTHORNE 996.44 TEN YR PROD= 1620: MC ALESTER 717.12 CASE NO. 104 NEWPORT 621.44 (0/100/25) HAWTHORNE 975.63 TEN YR PROD= 1350: MC ALESTER 698.20 CASE NO. 105 NEWPORT 602.90 CASE NO. 105 NEWPORT 679.28 CASE NO. 106 NEWPORT 652.40 CASE NO. 106 NEWPORT 652.40 CASE NO. 106 NEWPORT 652.40 CASE NO. 107 HAWTHORNE 976.83 TEN YR PROD= 1890: MC ALESTER 679.28 CASE NO. 106 NEWPORT 652.40 CASE NO. 107 NEWPORT 652.40 CASE NO. 106 NEWPORT 652.40 CASE NO. 107 NEWPORT 652.40 CASE NO. 108 NEWPORT 652.40 CASE NO. 109 HAWTHORNE 969.55 TEN YR PROD= 1620: MC ALESTER 710.86 CASE NO. 108 NEWPORT 615.30 CASE NO. 109 NEWPORT 615.30 CASE NO. 109 NEWPORT 698.74 TEN YR PROD= 1350: MC ALESTER 710.86 CASE NO. 109 NEWPORT 596.76 CASE NO. 109 NEWPORT 596.76 TEN YR PROD= 1080: MC ALESTER 673.02	CASE NO. 101 13 NEWPORT 677.09 1	I CASE NO. 101 II NEWPORT I 677.U9 I 25.78 (0/100/100) II HAWTHORNE I 1038.05 I 42.60 I TEN YR PROD= 2160:I MC ALESTER I 754.96 I 29.43 I CASE NO. 102 II NEWPORT I 658.54 I 25.66 I (0/100/ 75) II HAWTHORNE I 1017.24 I 42.52 I TEN YR PROD= 1890:I MC ALESTER I 736.04 I 29.33 I CASE NO. 103 II NEWPORT I 637.99 I 25.56 I (0/100/ 50) II HAWTHORNE I 996.44 I 42.45 I TEN YR PROD= 1620:I MC ALESTER I 717.12 I 29.24 I CASE NO. 104 II NEWPORT I 621.44 I 25.47 I (0/100/ 25) II HAWTHORNE I 975.63 I 42.39 I TEN YR PROD= 1350:I MC ALESTER I 698.20 I 29.16 I CASE NO. 105 II NEWPORT I 602.90 I 25.39 I TEN YR PROD= 1080:I MC ALESTER I 679.28 I 29.09 I CASE NO. 106 II NEWPORT I 652.40 I 25.33 I TEN YR PROD= 1080:I MC ALESTER I 679.28 I 29.09 I CASE NO. 106 II NEWPORT I 652.40 I 25.63 I 42.33 I TEN YR PROD= 1890:I MC ALESTER I 729.78 I 29.30 I CASE NO. 106 II NEWPORT I 652.40 I 25.63 I 42.33 I TEN YR PROD= 1890:I MC ALESTER I 729.78 I 29.30 I CASE NO. 106 II NEWPORT I 652.40 I 25.63 I 42.49 I TEN YR PROD= 1890:I MC ALESTER I 729.78 I 29.30 I CASE NO. 107 II NEWPORT I 652.40 I 25.63 I 42.49 I TEN YR PROD= 1620:I MC ALESTER I 729.78 I 29.30 I CASE NO. 107 II NEWPORT I 633.85 I 25.53 I CASE NO. 107 II NEWPORT I 633.85 I 25.53 I TEN YR PROD= 1620:I MC ALESTER I 729.78 I 29.30 I CASE NO. 107 II NEWPORT I 630.85 I 25.53 I TEN YR PROD= 1350:I MC ALESTER I 729.78 I 29.30 I TEN YR PROD= 1620:I MC ALESTER I 729.78 I 29.30 I TEN YR PROD= 1350:I MC ALESTER I 691.94 I 29.21 I CASE NO. 107 I NEWPORT I 596.76 25.37 I TEN YR PROD= 1350:I MC ALESTER I 691.94 I 29.14 I CASE NO. 109 II NEWPORT I 596.76 25.37 I TEN YR PROD= 1080:I MC ALESTER I 673.02 I 29.07 I TEN YR PROD= 1080:I MC ALESTER I 673.02 I 29.07 I TEN YR PROD= 1080:I MC ALESTER I 673.02 I 29.07 I TEN YR PROD= 1080:I MC ALESTER I 673.02 I 29.07 I TEN YR PROD= 1080:I MC ALESTER I 673.02 I 29.07 I MC ALESTER I	CASE NO. 101 1 NEWPORT 1 677.09 25.78 1 (0 / 100 / 100) 1 HAWTHORNE 1038.05 42.60 1 TEN YR PROD= 2160: MC ALESTER 754.96 29.43 1 1 1 1 1 1 1 1 1	I CASE NO. 101 II NEWPOR! 1 677. 99 I 25.78 I ***** I (0/100/100) II HAWTHORNE 1 1038.05 I 42.60 I 0.0 I TEN YR PROD= 2160!I MC ALESTER I 754.96 I 29.43 I 2.3 I CASE NO. 102 II NEWPORT 1 658.54 I 25.66 I **** I (0/100/75) II HAWTHORNE 1 1017.24 I 42.52 I 0.0 I TEN YR PROD= 1890!I MC ALESTER I 736.04 I 29.33 I 2.3 I CASE NO. 103 II NEWPORT I 639.99 I 25.56 I **** I (0/100/50) II HAWTHORNE I 996.44 I 42.45 I 0.0 I TEN YR PROD= 1620!I MC ALESTER I 717.12 I 29.24 I 2.4 I CASE NO. 104 II NEWPORT I 621.44 I 25.47 I **** I (0/100/50] II HAWTHORNE I 975.63 I 42.39 I 0.0 I TEN YR PROD= 1350!I MC ALESTER I 698.20 I 29.16 I 2.4 I CASE NO. 105 II NEWPORT I 602.90 I 25.39 I **** I CASE NO. 105 II NEWPORT I 602.90 I 25.39 I **** I CASE NO. 106 II NEWPORT I 679.28 I 29.09 I 2.4 I CASE NO. 106 II NEWPORT I 679.28 I 29.09 I 2.4 I CASE NO. 106 II NEWPORT I 679.28 I 29.09 I 2.4 I CASE NO. 106 II NEWPORT I 679.28 I 29.09 I 2.4 I CASE NO. 106 II NEWPORT I 679.28 I 29.09 I 2.4 I CASE NO. 106 II NEWPORT I 679.28 I 29.09 I 2.4 I CASE NO. 106 II NEWPORT I 679.28 I 29.09 I 2.4 I CASE NO. 106 II NEWPORT I 679.28 I 29.09 I 2.4 I CASE NO. 106 II NEWPORT I 679.28 I 29.30 I 2.3 I CASE NO. 107 II NEWPORT I 633.85 I 25.63 I *** I (0/75/100) II HAWTHORNE I 979.78 I 29.30 I 2.3 I CASE NO. 107 II NEWPORT I 633.85 I 25.53 I *** I (0/75/75) II HAWTHORNE I 989.55 I 42.43 I 0.0 I TEN YR PROD= 1890!I MC ALESTER I 710.86 I 29.21 I 2.4 I CASE NO. 107 II NEWPORT I 698.76 25.37 I *** I (0/75/50) II HAWTHORNE I 989.55 I 42.43 I 0.0 I TEN YR PROD= 1350!I MC ALESTER I 691.94 I 29.14 I 2.4 I CASE NO. 107 II NEWPORT I 590.76 25.37 I *** I (0/75/50) II HAWTHORNE I 947.94 I 42.32 I 0.0 I TEN YR PROD= 1080!I MC ALESTER I 673.02 I 29.07 I 2.4 I CASE NO. 109 II NEWPORT I 590.76 25.37 I *** I (0/75/0) II HAWTHORNE I 947.94 I 42.32 I 0.0 I TEN YR PROD= 1080!I MC ALESTER I 673.02 I 29.07 I 2.4 I CASE NO. 101 II NEWPORT I 590.76 25.37 I *** I (0/75/0) II HAWTHORNE I 927.13 I 42.28 I 0.00

RDX - HMX SITE SELECTION

FOUR LINE CAPACITY

COS! /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST=-10%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

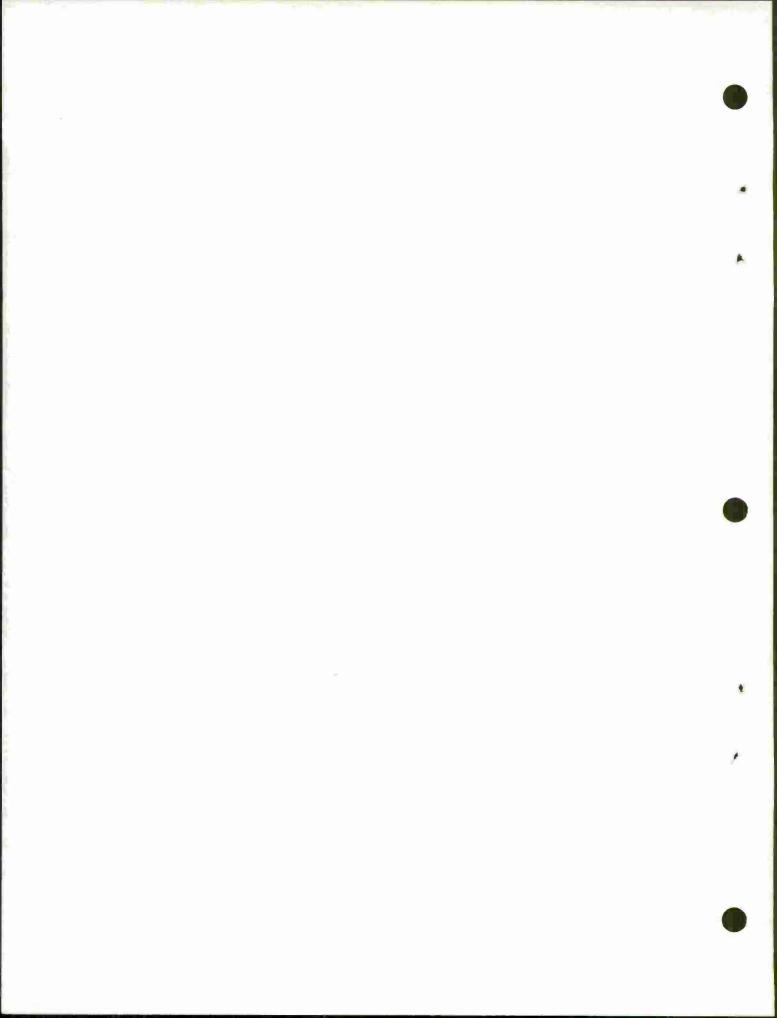
(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

: IDENTIFICATION ::	SITE	cost	: SIGMA	RISK(%)
: CASE NO. 111 :: : (-0/50/100) :: : TEN YR PROD= 1620::	NEWPOR! HAWTHORNE MC ALESTER		25.50 42.41 29.19	0.0
: CASE NO. 112 :: : (0/ 50/ 75) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	609.17 961.86 685.68	25.42 42.35 29.12	0 · 0 2 · 4
: CASE NO. 113 :: : (0/ 50/ 50) :: : TEN YR PROD= 1080::		590.62 941.05 666.75	25.35 42.30 29.05	0 · 0 2 · 4
: CASE NO. 114 :: : (0/ 50/ 25) :: : TEN YR PROD= 810::	NEWPORT HAWTHORNE MC ALESTER	572.07 920.24 647.83	25,30 42.26 29.01	0 · 0 2 · 4
: CASE NO. 115 :: : (0/ 50/ 0) :: : TEN YR PROD= 540::	7 . 60	553.52 899.44 628.91	25.25 42.24 28.97	0 · 0 2 · 5
: CASE NO. 116 :: : (0/ 25/100) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	603.03 954.97 679.41	25.39 42.33 29.09	0.0
: CASE NO. 117 :: : (0/ 25/ 75) :: : TEN YR PROD= 1080::		584.48 934.16 660.49	25.33 42.29 29.04	0.0
: CASE NO. 115 :: : (0/ 25/ 50) :: : TEN YR PROD= 810::	NEWPORT HAWTHORNE MC ALESTER	565.93 913.36 641.57	25.28 42.25 28.99	0.0
CASE NO. 119 :: (0/ 25/ 25) :: TEN YR PROD= 540::	NEWPORT HAWTHORNE MC ALESTER	54/.38 892.55 622.65	: 25.24 : 42.23 : 28.96	0.0
: CASE NO. 120 :: : (, 0/ 25/ 0) :: : TEN YR PROD= 270::	NEWPORT HAWTHORNE MC ALESTER	528.83 871.74 603.73	25.22 42.21 28.94	0.0

COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST=-10%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%
(COST IN SMILLION DISCOUNTED AT 10%)
(QUANTITIES IN MILLIONS OF LBS.)

-										
	IDENTIFICATION	N 11	SITE	1	COST	2	SIGMA	*	RISK(%)	1
4 .			*********							
8	CASE NO. 121	1.1	NEWPORT	3	578.34	8	25.31	:	****	1
\$	(0/ 0/100)	: :	HAWTHORNE	8	927.28	8	42.28	8	0.0	2
	TEN YR PRODE	1080::	MC ALESTER	8	654.23		29.02	1	2.4	
-										#
2	CASE NO. 122	1.1	NEWPORT	8	559.79	8	25.27	1	****	3
	(0/ 0/ 75)	11	HAWTHORNE	1	906.47		42.24	3	0.0	2
8	TEN YR PROD=	810:1	MC ALESTER	2	635.31	1	28.98	8	2.5	8
-										
- 8	CASE NO. 124	2 2	NEWPORT	\$	541.24	1	25.23	1	****	3
8	(0/ 0/ 50)	1.1	HAWTHORNE	1	885.66	8	42.22	8	0.0	1
1	TEN YR PROD=	540:1	MC ALESTER	2	616.39	1	28.95	1	2.5	- 1
-										#
2	CASE NO. 124	2 1	NEWPORT	8	522.69	1	25.21	1	****	2
8	(0/ 0/ 25)	1.1	HAWTHORNE	8	864.86	1	42.21	\$	0.0	2
-	TEN YR PROD=	270:1	MC ALESTER	8	597.47	1.0	28.93	I	2.6	
-										
2	CASE NO. 125	1.1	NEWPORT	8	504.15	1	25.21	1	****	
	(0/ 0/ 01	2.8	HAWTHORNE	2	844.05	1	42.20		0 • 0	1
	TEN YR PROD=	0::	MC ALESTER	8	578.55	\$	28.93	1	2.6	
-										#



COST /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= -5%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

1 IDENTIFICATION 1:	SITE		COST	1	SIGMA	1	RISK(%)	1
: CASE NO. 1 :: : (100/100/100) ::. : TEN YR PROD= 3600::	NEWPORT HAWTHORNE MC ALESTER	-	889.40 1244.79 942.96	1	28.84 43.87 31.03	1	0.0	:
: CASE NO. 2 :: : (100/100/ 75) :: : TEN YR PROD= 3330::	NEWPORT HAWTHORNE MC ALESTER	:	870.85 1223.99 924.04	1	28.62 43.71 30.83	!	0 • 0 10 • 3	1 1
: CASE NO. 3 :1 : (100/100/50) :1 : TEN YR PROD= 3060:1	NEWPORT HAWTHORNE MC ALESTER	1	852.30 1203.18 905.12	:	28.41 43.55 30.63	:	0.0	1 1
: CASE NO. 4 :: : (100/100/ 25) :: : TEN YR PROD= 2790::	NEWPORT HAWTHORNE MC ALESTER	1	833.75 1182.37 886.20	:	28.22 43.40 30.44	:	0 • 0 10 • 3	: : : : : : : : : : : : : : : : : : : :
: CASE NO. 5 :: : (100/100/ 0) :: : TEN YR PROD= 2520::		1 1	815.21 1161.57 867.28	1 1	28.03 43.26 30.27	:	0 · 0 10 · 3	1 1
: CASE NO. 6 :: : (100/ 75/100/ :: : TEN YR PROD= 3330::	NEWPORT HAWTHORNE MC ALESTER	1	864.71 1217.10 917.78	3 2	28.55 43.65 30.76	1 1	0.0	1
: CASE NO. 7 :: : (100/ 75/ 75) :: : TEN YR PROD= 3060::	NEWPORT HAWTHORNE MC ALESTER	î	846.16 1196.29 898.86	! ! !	28.35 43.50 30.57	1	0.0	:
: CASE NO. 5 :: : (100/ 75/ 50) :: : TEN YR PROD= 2790::	NEWPORT HAWTHORNE MC ALESTER		827.61 1175.49 879.94	1 1	28.15 43.35 30.38	1	0.0	1
: CASE NO. 9 :: : (100/ 75/ 25) :: : TEN YR PROD= 2520::		:	809.07 1154.68 861.02	1 1	27.97 43.21 30.21	:	0.0 10.3	1
: CASE NO. 10 :: : (100/ 75/ 0) :: : TEN YR PROD= 2250:1	HAWTHORNE		790.52 ·1133.87 842.10	:	27.80 43.08 30.05	1	0.0	:

COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST= -5%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%
(COST IN SMILLION DISCOUNTED AT 10%)
(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION :	SITE	COST	SIGMA	RISK(%)
: CASE NO. 11 :: : (100/ 50/100) :: : TEN YR PROD= 3060::	NEWPORT : HAWTHORNE : MC ALESTER :	840.02 1189.41 892.59	28.28 43.45 30.50	: 0.0 : 10.3
: CASE NO. 12 :: : (100/ 50/ 75) :: : TEN YR PROD= 2790:	NEWPORT : HAWTHORNE : MC ALESTER :	821.47 1168.60 873.67	: 28.09 : 43.31 : 30.32	0 · 0 1 0 · 3
CASE NO. 13 :: (100/ 50/ 50) :: TEN YR PROD= 2520:	NEWPORT : HAWTHORNE : MC ALESTER :	802.93 1147.79 854.75	27.91 43.17 30.15	3 0 0 0 3 10 4
CASE NO. 14 : (100/ 50/ 25) : TEN YR PROD= 2250:	NEWPORT : HAWTHORNE : MC ALESTER :	784.38 1126.99 835.83	? 2/./4 : 43.04 : 30.00	: 0 · 0 : 10 · 4
CASE NO. 15 :: (100/ 50/ 0) :: TEN YR PROD= 1980:	NEWPORT : HAWTHORNE : MC ALESTER :	765.83 1106.18 816.91	: 27.58 : 42.93 : 29.85	0 · 0 1 0 · 4
: CASE NO. 16 :: : (100/ 25/100) :: : TEN YR PROD= 2790::	NEWPORT : HAWTHORNE : MC ALESTER :	815.33 1161.71 867.41	20.03 43.26 30.27	0 · 0 10 · 3
CASE NO. 1/ :: (100/ 25/ 75) :: TEN YR PROD= 2520:	NEWPORT : HAWTHORNE : MC ALESTER :	796.79 1140.91 848.49	: 27.85 : 43.13 : 30.10	3 0 • 0 3 10 • 4
: CASE NO. 18 :: : (100/ 25/ 50) :: : TEN YR PROD= 2250:	NEWPORT : HAWTHORNE : MC ALESTER :	778.24 1120.10 829.57	: 27.69 : 43.00 : 29.94	: 0 • 0 : 10 • 4
: CASE NO. 19 :: : (100/ 25/ 25) :: : TEN YR PROD= 1980:	NEWPORT : HAWTHORNE : MC ALESTER :	/59.69 1099.29 810.65	2/.54 : 42.89 : 29.80	0 · 0 10 · 5
: CASE NO. 20 :: : (100/ 25/ 0) :: : TEN YR PROD= 1710:	NEWPORT I HAWTHORNE : MC ALESTER I	741.14 1078.49 791.73	27.39 42.78 29.66	0 · 0 10 · 5

COST /SENSITIVITY /HISK
INCREASE IN NEWPORT AAP COSTS
CONST= -5%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%
(COST IN SMILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

- 1	IDFNTIFICATION :	SITE	1	COST	,	SIGMA	1	RISK(%)	1
2	CASE NO. 21 :: (100/ 0/100) :: TEN YR PROD= 2520::	NEWPOR! HAWTHORNE MC ALESTER		790.65 1134.02 842.23	:	27.80 43.09 30.05	:	0.0	3
	CASE NO. 22 :: (100/ 0/ 75) :: TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER		/72.10 1113.21 823.31	; ;	2/.64 42.96 29.90	1	0 • 0 1 0 • 4	1
1	CASE NO. 23 :: (100/ 0/ 50) :: TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER		753.55 1092.41 804.39	1 8 8	27.49 42.85 29.75	1	0 • 0 1 0 • 5	1
2	CASE NO. 24 :: (100/ 0/ 25! :: TEN YR PROD= 1710::	NEWPORT HAWTHORNE MC ALESTER	1	/35.00 1071.60 785.47	:	21.35 42.75 29.62	1	0 • 0 1 0 • 5	1
	CASE NO. 25 :: (100/ 0/ 0) :: TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER	:	/16.45 1050.79 766.55	\$ \$	2/.22 42.65 29.50	:	0.0	:
1	CASE NO. 26 :: (75/100/100) :: TEM YR PROD= 3240::	NEWPORT HAWTHORNE MC ALESTER	1	843.32 1193.11 895.96	:	28.32 43.48 30.54	1 1	0.0	1
:	CASE NO. 2/ :1 (75/100/ 75) :: TEN YR PROD= 2970::	116 411 0111	1 1	824.(7 1172.30 877.04	:	28.13 43.33 30.36	:	0 • 0 1.0 • 3	1
:	CASE NO. 20 :: (75/100/ 50) :: TEN YR PROD= 2700::	116 111	:	806.23 1151.49 858.12	:	27.94 43.19 30.18	:	0 • 0 1 0 • 4	1 1 1
:	CASE NO. 29 :: (75/100/ 25) :: TEN YR PROD= 2430::		:	/8/.68 1130.69 839.20	:	21.17 43.07 30.02	:	0 • 0 1 0 • 4	:
:	CASE NO. 30 :: (75/100/ 0) :: TEN YR PROD= 2160::		:	769.13 1109.88 820.28	:	27.61 42.95 29.87	:	0.0	:

COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST= -5%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%
(COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION :	SITE		COST	t	SIGMA		RISK(%)
CASE NO. 31 :: (75/ 75/100) :: TEN YR PPOD= 2970::	NEWPORL		818.63 1165.41 870.78		28.06 43.28 30.30		0.0
CASE NO. 32 :: (75/ 75/ 75) :: TEN YR PROD= 2700:	NEWPORT HAWTHORNE MC ALESTER	:	800.09 1144.61 851.86	:	27.89 43.15 30.13	:	0 • 0
CASE NO. 33 :: (75/ 75/ 50) :: TEN YR PROD= 2430:	NEWPORT HAWTHORNE MC ALESTER	1	/81.54 1123.80 832.94	:	21.12 43.02 29.97	:	0.0
CASE NO. 34 :: (75/ 75/ 25) :: TEN YR PROD= 2160:	NEWPORT HAWTHORNE MC ALESTER	:	762.99 1102.99 814.02	!	21.56 42.91 29.82	:	0 • 0 1 0 • 4
CASE NO. 35 :: (75/ 75/ 0) :: TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	:	744.44 1082.19 795.10	:	27,42 42.80 29.69	:	0 • 0 1 0 • 5
CASE NO. 36 :: (75/50/100) :: TEN YR PROD= 2700::	NEWPORT HAWTHORNE MC ALESTER	:	793.95 1137.72 845.59	:	27.83 43.11 30.08	:	0 • 0 10 • 4
CASE NO. 37 :: (75/50/75) :: TEN YR PROD= 2430:	NEWPORT HAWTHORNE MC ALESTER	:	775.40 1116.91 826.67	:	27.67 42.99 29.92	:	0.0
CASE NO. 35 :: (75/ 50/ 50) :: TEN YR PROD= 2160:	NEWPORT HAWTHORNE MC ALESTER	:	/56.85 1096.11 807.75	:	2/.51 42.87 29.78	:	0.0 10.5
CASE NO. 39 :: (75/ 50/ 25) :: TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	:	738.30 1075.30 788.83	:	21.3! 42.77 29.65	:	0.0 10.5
CASE NO. 40 :: (75/ 50/ 0) :: TEN YR PROD= 1620:	NEWPORT HAWTHORNE MC ALESTER	:	719.75 1054.49 769.91	:	27.24 42.67 29.52	:	0.0

COST /SENSITIVITY /HISK
INCREASE IN NEWPORT AAP COSTS
CONST= -5%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%
(COST IN \$MILLION DISCOUNTED AT 10%)
(QUANTITIES IN MILLIONS OF LBS.)

	#		-						
•	: IDENTIFICATION 11	SITE	-	COST	2	SIGMA	1	RISK(%)	1
•	: CASE NO. 41 :: : (75/ 25/100) :: : TEN YR PROD= 2430::	NEWPORT HAWTHORNE MC ALESTER	:	769.26 1110.03 820.41	:	27.61 42.95 29.87	:	0.0	:
	: CASE NO. 42 :: : (75/ 25/ 75) :: : TEN YR PROD= 2160::	NEWPORT HAWTHORNE MC ALESTER	:	750.71 1089.22 801.49	1	27.46 42.84 29.73	1 1 1	0 • 0 10 • 5	:
	: CASE NO. 43 :: : (75/25/50) :: : TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	1 1 1	732.16 1068.41 782.57	:	27.33 42.73 29.60	1 1	0 • 0 10 • 5	:
	CASE NO. 44 :: 1 (75/ 25/ 25) :: 1 TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER	1 1	713.61 1047.61 763.65	:	21.20 42.64 29.48	:	0 • 0 10 • 6	:
0	: CASE NO. 45 :: 1 (75/ 25/ 0) :: 1 TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER		695.07 1026.80 744.73	1	27.09 42.56 29.38	***************************************	0 • 0 10 • 7	:
	: CASE NO. 46 :: : (75/ 0/100) :: : TEN YR PROD= 2160::	NEWPORT HAWTHORNE MC ALESTER	:	744.57 1082.33 795.23	:	27.42 42.80 29.69	\$ \$ \$	0 • 0 10 • 5	:
	: CASE NO. 4/ :: : (75/ 0/75) :: : TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	1	726.02 1061.53 776.31	:	21.28 42.70 29.56	:	0 · 0 10 · 6	:
	CASE NO. 48 :: 1 (75/ 0/ 50) :: 1 TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER	:	707.48 1040.72 757.39	1	27.16 42.61 29.45	:	0 · 0 10 · 6	:
	: CASE NO. 47 :: : (75/ 0/ 25) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTÉR	:	688.93 1019.91 738.47	:	21.05 42.53 29.34	:	0 • 0 1 0 • 7	1
	: CASE NO. 50 :: : (75/ 0/ 0) :: : TEN YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER		670.38 999.11 719.55	:	26.75 42.46 29.25	:	0.0	:

RDX - HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /HISK

INCREASE IN NEWPORT AAP COSTS

CONST= -5%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN SMILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

	MOMITTIES	all HILLION	3 01 66367	
: IDENTIFICATION :	SITE	COST 1	SIGHA	1 RISK(%)
: CASE NO. 51 :: : (50/100/100). :: : TEN YR PROD= 2880::	NEWPOR! : HAWTHORNE : MC ALESTER :	797.25 ; 1141.42 ; 848.96 ;	21.00	0.0
: CASE NO. 52 :: : (50/100/75) :: : TEN YR PROD= 2610::	NEWPORT : HAWTHORNE : MC ALESTER :	778.70 . 1120.62 : 830.04 :	2/.69 43.01 29.95	: 0 · 0 : 10 · 4
: CASE NO. 53 :: : (50/100/50) :: : TEN YR PROD= 2340::	NEWPORT : HAWTHORNE : MC ALESTER :	760.15 : 1099.81 : 811.12 :	42.89	0 · 0 10 · 5
: CASE NO. 54 ::- : (50/100/25) :: : TEN YR PROD= 2070::	NEWPORT : HAWTHORNE : MC ALESTER :	741.60 : 1079.00 : 792.20 :	42.78	0 · 0 10 · 5
: CASE NO. 55 :: : (50/100/ 0) :: : TEN YR PROD= 1800::	NEWPORT : HAWTHORNE : MC ALESTER :	723.06 : 1058.20 : 773.28 :	27.26 42.69 29.54	0 · 0 10 · 6
: CASE NO. 56 :: : (50/75/100) :: : TEN YR PROD= 2610::	NEWPORT : HAWTHORNE : MC ALESTER :	772.56 : 1113.73 : 823.78 :	42.97	0.0
: CASE NO. 5/ :: : (50/75/75) :: : TEN YR PROD= 2340::	NEWPORT : HAWTHORNE : MC ALESTER :	/54.01 1092.92 804.86	42.85	0.0
: CASE NO. 58 :: : (50/75/50) :: : TEN YR PROD= 2070:	NEWPORT : HAWTHORNE : MC ALESTER :	735.46 : 1072.12 : 785.94 :		0.0
: CASE NO. 57 :: : (50/75/25) :: : TEN YR PROD= 1800::	NEWPORT : HAWTHORNE : MC ALESTER :	(16.92 : 1051.31 : 767.02 :	42.66	0.0
: CASE NO. 60 :: 1 (50/75/0) :: : TEN YR PROD= 1530::		698.37 : 1030.50 : 748.10 :	42.57	0 · 0 10 · 7

COST /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= -5%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN SMILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

#								#
: IDENTIFICATION :	SITE	1	COST	1	SIGMA	8	RISK(%)	1
: CASE NO. 61 :: : (50/50/100) :: : TEN YR PROD= 2340::	NEWPORT HAWTHORNE MC ALESTER		747.87 1086.03 798.60	8	27.44 42.82 29.71	!	0.0	:
: CASE NO. 62 :: : (50/50/75) :: : TEN YR PROD= 2070::	THE WILL OLL I	:	729.32 1065.23 779.67	\$ \$ \$	27.31 42.72 29.58	\$ \$	0 • 0 10 • 6	1
: CASE NO. 63 :: : (50/50/50) :: : TEN YR PROD= 1800::	NEWPORT HAWTHORNE MC ALESTER	:	710.78 1044.42 760.75	8	27.18 42.63 29.47	:	0 • 0 10 • 6	:
CASE NO. 64 :: : (50/50/25! :: : TEN YR PROD= 1530::	NEWPORT HAWTHORNE MC ALESTER	1	692.23 1023.61 741.83	\$ \$ \$	21.07 42.54 29.36	:	0 • 0 10 • 7	1
: CASE NO. 65 :: : (50/50/0) :: : TEN YR PROD= 1260::	NEWPORT HAWTHORNE MC ALESTER	:	673.68 1002.81 722.91	\$ \$ \$	26.97 42.47 29.27	:	0.0	:
: CASE NO. 66 :: : (50/25/100) :: : TEN YR PROD= 2070::	NEWPORT HAWTHORNE MC ALESTER	:	723.18 1058.34 773.41	\$ \$ \$	27.26 42.69 29.54	:	0 • 0 10 • 6	:
CASE NO. 67 :: (50/ 25/ 75) :: TEN YR PROD= 1800::	NEWPORT HAWTHORNE MC ALESTER	1	704.64 1037.53 754.49	\$ \$ \$	27.14 42.60 29.43	8 8	0 • 0 10 • 7	:
: CASE NO. 68 :: : (50/25/50) :: : TEN YR PROD= 1530::	NEWPORT HAWTHORNE MC ALESTER	:	686.09 1016.73 735.57	3 1 2	27.04 42.52 29.33	1	0 • 0 1 0 • 7	: :
: CASE NO. 69 :: : (50/25/25) :: : TEN YR PROD= 1260::	NEWPORT HAWTHORNE MC ALESTER	:	667.54 995.92 716.65	? \$ 8	26.94 42.45 29.24	:	0 • 0 10 • 8	:
: CASE NO. 70 :: : (50/25/0) :: : TEN YR PROD= 990::	NEWPORT HAWTHORNE MC ALESTER	:	648.99 975.11 697.73	1 1	26.86 42.38 29.16	:	0 • 0 10 • 9	1

COST /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= -5%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN SMILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION	II SITE	:	COST	0	SIGMA	1	RISK(%)	
CASE NO. 71 (50/ 0/100) TEN YR PROD= 1	: NEWPOR! : HAWTHOR 800: MC ALES	~	698.50 1030.65 748.23	:	27.11 42.57 29.40	:	0 • 0 10 • 7	• •
CASE NO. 78 (50/ 0/ 75) TEN YR PROD= 1	NEWPORT HAWTHOR 13 HC ALES		679.95 1009.84 729.31	:	21.00 42.49 29.30	1	0 • 0 10 • 8	
CASE NO. 73 (50/ 0/ 50) TEN YR PROD= 1	NEWPORT HAWTHOR HAWTHOR MC ALES		661.40 989.03 710.39	8	26.91 42.42 29.21	:	0 • 0 10 • 9	
CASE NO. 74 (50/ 0/ 25! TEN YR PROD=	NEWPORT HAWTHOR HAWTHOR HC ALES		642.85 968.23 691.47	. 1	26.83 42.37 29.14	:	0 • 0	
CASE NO. 75 (50/ 0/ 0) TEN YR PROD=	:: NEWPORT :: HAWTHOR 720:: MC ALES		624.30 947.42 672.55	3 2 3	26.76 42.32 29.07	:	0.0	
CASE NO. 76 (25/100/100) TEN YR PROD= 2	NEWPORT HAWTHOR S20: MC ALES		/51.17 1089.74 801.96	; 8 8	21647 42.84 29.74	:	0.0	
CASE NO. 7! (25/100/ 75) TEN YR PROD= 2	NEWPORT HAWTHORI STORE MC ALES		/32.62 1068.93 783.04	:	21.33 42.74 29.61	:	0 • 0 10 • 5	
CASE NO. 78 (25/100/ 50) TEN YR PROD= 1	NEWPORT HAWTHORI 980: MC ALES		(14.08 1048.12 764.12	\$ \$ \$	21.20 42.64 29.49	:	0 • 0 10 • 6	
CASE NO. 79 (25/100/ 25) TEN YR PROD= 1	: NEWPORT : HAWTHORI 710: MC ALES		695.53 1027.32 745.20	:	21.09 42.56 29.38	:	0 • 0	
CASE NO. 80 (25/100/ 0) TEN YR PROD= 1			676.98 1006.51 726.28	:	26.99 42.48 29.28	:	0.0	

COSI /SENSITIVITY /NISK

INCREASE IN NEWPORT AAP COSTS

CONST= -5%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN SMILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

: IDENTIFICATION :	SITE	:	COST		SIGMA	!	RISK(%)
: CASE NO. 81 : (25/75/100) : TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER		726.48 1062.04 776.78	:	27.29 42.70 29.57	:	0.0
: CASE NO. 82 :: : (25/75/75) :: : TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER	-	/0/.94 1041.24 757.86	1 1 1	2/.17 42.61 29.45	:	0.0
: CASE NO. 83 :: : (25/75/50) :: : TEN YR PROD= 1710::	NEWPORT HAWTHORNE MC ALESTER		689.39 1020.43 738.94	; ;	2/.05 42.53 29.35	:	0 • 0 10 • 7
: CASE NO. 84 :3 : (25/75/25) :1 : TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER		670.84 999.62 720.02	: '	26.96 42.46 29.25	1	0 • 0 1 0 • 8
: CASE NO. 85 :: : (25/75/0) :: : TEN YR PROD= 1170::		:	652.29 978.32 701.10	1 2 2	26.87 42.39 29.17	:	0.0
: CASE NO. 86 :: : (25/ 50/100) :: : TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER		701.80 1034.35 751.60	:	27.13 42.58 29.42	:	0 • 0 10 • 7
: CASE NO. 8/ :: : (25/ 50/ 75) :: : TEN YR PROD= 1710::	NEWPORT HAWTHORNE MC ALESTER		683.25 1013.54 732.68	:	27.02 42.51 29.32	:	0 • 0 10 • 8
1 CASE NO. 80 11 1 (25/50/50) 11 1 TEN YR PROD= 144011	NEWPORT HAWTHORNE MC ALESTER	-	664.70 992.74 713,75	:	26.93 42.44 29.23	\$ \$ \$	0.0
: CASE NO. 87 :: : (25/50/25) :: : TEN YR PROD= 1170::		:	646.15 971.93 694.83	:	26.34 42.38 29.15	1	0 • 0 11 • 0
CASE NO. 90 :: (25/50/0) :: TEN YR PROD= 900::	NEWPORT HAWTHORNE MC ALESTER		627.60 951.12 675.91	:	26.77 42.32 29.08	:	0.0 11.1

COST /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= -5%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN SMILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

*								
: IDENTIFICATION :	SITE	1	COST	1	SIGMA	4	RISK(%)	1
: CASE NO. 91 :: : (25/25/100) :: : TEN YR PROD= 1710::	NEWPORT HAWTHORNE MC ALESTER	1	677.11 1006.66 726.41	:	26.99 42.48 29.28		0.0	:
: CASE NO. 92 :1 : (25/ 25/ 75) :1 : TEN YR PROD= 1440:1	NEWPORT HAWTHORNE MC ALESTER	1 1	658.56 985.85 707.49	:	26.40 42.42 29.20	! !	0.0 10.9	1
: CASE NO. 93 :: : (25/25/50) :: : TEN YR PROD= 1170::	NEWPORT HAWTHORNE MC ALESTER	1	640.01 965.04 688.57	8	26.82 42.36 29.13	:	0 • 0 11 • 0	1
: CASE NO. 94 :: : (25/25/25) :: : TEN YR PROD= 900::	NEWPORT HAWTHORNE MC ALESTER	:	621.46 944.24 669.65	:	26.75 42.31 29.06		0 • 0 11 • 1	:
: CASE NO. 95 :: : (25/ 25/ 0) :: : TEN YR PROD= 630::	NEWPORT HAWTHORNE MC ALESTER	:	602.92 923.43 650.73	\$ \$ \$	26.70 42.27 29.01	t t	0 • 0 11 • 3	:
: CASE NO. 96 :: : (25/ 0/100) :: : TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER	:	652.42 978.96 701.23	:	26.87 42.40 29.17	1	0 • 0 10 • 9	:
: CASE NO. 97 :: : (25/ 0/ 75! :: : TEN YR PROD= 1170::	NEWPORT HAWTHORNE MC ALESTER	:	633.87 958.16 682.31	:	26.80 42.34 29.10	:	0 • 0 11 • 0	:
: CASE NO. 98 :: : (25/ 0/ 50! :: : TEN YR PROD= 900::	NEWPORT HAWTHORNE MC ALESTER	:	615.32 937.35 663.39	:	26.73 42.29 29.05	:	0 • 0 11 • 2	:
: CASE NO. 97 :: : (25/ 0/25) :: : TEN YR PROD= 630::	NEWPORT HAWTHORNE MC ALESTER	1 1	596.78 916.54 644.47	:	26.68 42.26 29.00	:	0 • 0 11 • 3	:
: CASE NO. 100 :: : (25/ 0/ 0) :: : TEN YR PROD= 360::		:	578.23 895.74 625.55	:	26.65 42.23 28.96	:	0.0 11.5	:

COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST= -5%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%
(COST IN SMILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

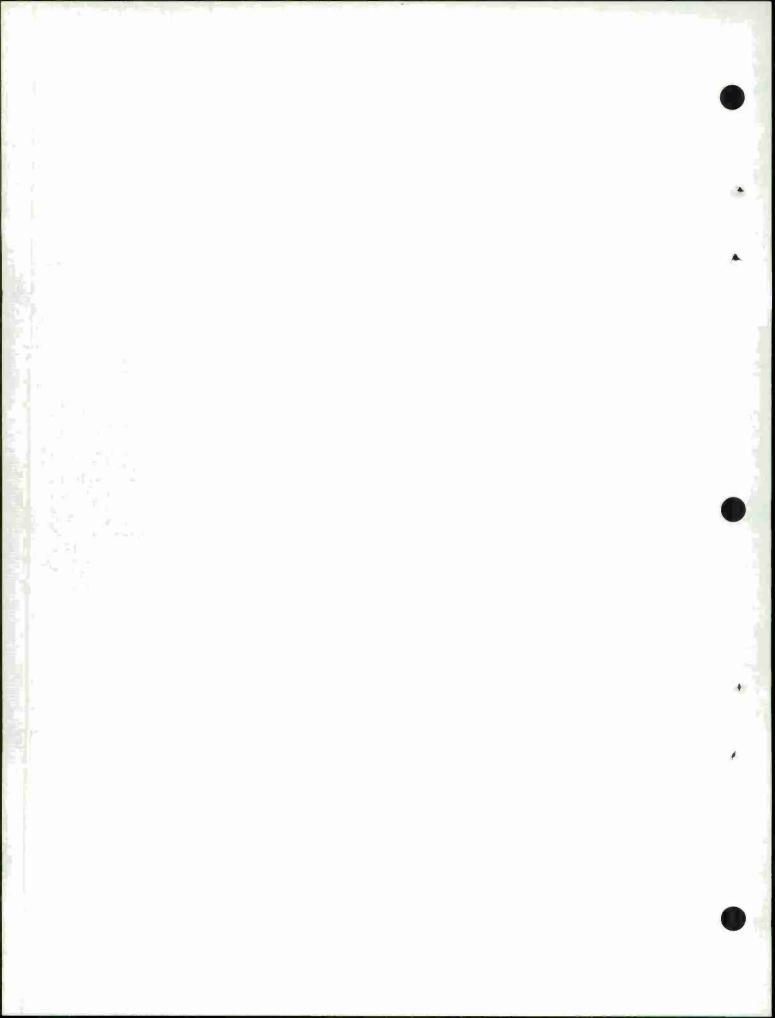
: IDENTIFICATION :	SITE	1	COST		SIGMA	1	RISK(%)	1
: CASE NO. 101 :: : (0/100/100) :: : TEN YR PROD= 2160::	NEWPORT HAWTHORNE MC ALESTER		705.10 1038.05 754.96	:	27.15 42.60 29.43	1	0 • 0 10 • 7	:
: CASE NO. 102 :: : (0/100/ 75) :: : TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	1 1	686.55 1017.24 736.04	\$ \$	21.04 42.52 29.33		0.0	1
: CASE NO. 103 :: : (0/100/ 50) :: : TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER	:	668.00 996.44 717.12	:	26.94 42.45 29.24	:	0.0	1
: CASE NO. 104 :: : (0/100/ 25 / :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	: :	649.45 975.63 698.20	\$ \$	26.06 42.39 29.16	:	0.0	1
: CASE NO. 105 :: : (0/100/ 0) :: : TEM YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER	:	630.90 954.83 679.28	:	26.78 42.33 29.09	:	0 • 0 11 • 1	1 1
: CASE NO. 106 :: : (0/ 75/100! :: : TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	1 1	680.41 1010.36 729.78	:	21.01 42.49 29.30	:	0.0	:
: CASE NO. 107 :: : (0/ 75/ 75) :: : TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER	:	661.86 989.55 710.86	:	26.91 42.43 29.21	*	0 • 0 10 • 9	:
: CASE NO. 108 :: : (0/ 75/ 50/ :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	:	643.31 968.74 691.94	:	26.83 42.37 29.14	\$ \$ \$	0.0	:
: CASE NO. 107 :: : (0/ 75/ 25) :: : TEN YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER	1	624.76 947.94 673.02	:	26./6 42.32 29.07	:	0 • 0 11 • 1	1
: CASE NO. 110 :: : (0/ 75/ 0) :: : TEN YR PROD= 810::		:	606.22 927.13 654.10	;	26.71 42.28 29.02	:	0.0	:

COSI /SENSITIVITY /HISK
INCREASE IN NEWPORT AAP COSTS
CONST= -5%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%
(COST IN \$MILLION DISCOUNTED AT 10%)
(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION :	SITE	1	COST	:	SIGMA		RISK(%)
CASE NO. 111 :: (0/ 50/100) :: TEN YR PROD= 1620::	NEWPOR! HAWTHORNE MC ALESTER	: 9	55.72 82.66 04.60	1	26.88 42.41 29.19		0.0 10.9
CASE NO. 112 :: (0/ 50/ 75) :: TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	1 9	3/.17 61.86 85.68	1 1 1	26.81 42.35 29.12	:	0 • 0 11 • 0
CASE NO. 113 :: (0/ 50/ 50) :: TEN YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER	1 9	18.63 41.05 66.75	:	26. (4 42.30 29.05	: :	0.0
CASE NO. 114 : 14 (0/ 50/ 25) : 15 TEN YR PROD= 810: 1	NEWPORT HAWTHORNE MC ALESTER	1 9	00.08 20.24 47.83	!	26.69 42.26 29.01	1	0 • 0 11 • 3
CASE NO. 115 :: (0/ 50/ 0) :: TEN YR PROD= 540::	NEWPORT HAWTHORNE MC ALESTER	1 8	81.53 99.44 28.91	:	26.65 42.24 28.97	,	0 • 0 11 • 4
CASE NO. 116 : (0/ 25/100) : ! TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	1 9	31.03 54,97 79.41	:	26.79 42.33 29.09	\$ \$ \$	0 • 0 11 • 1
CASE NO. 117 :: (0/ 25/ 75) :: TEN YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER	1 9	12.49 34.16 60.49	:	26.73 42.29 29.04	:	0 • 0 11 • 2
CASE NO. 110 :: (0/ 25/ 50) :: TEN YR PROD= 810::	NEWPORT HAWTHORNE MC ALESTER	1 9	93.94 13.36 41.57	:	26.68 42.25 28.99	: :	0 • 0 11 • 3
CASE NO. 119 :: (0/ 25/ 25) :: TEN YR PROD= 540::	NEWPORT HAWTHORNE MC ALESTER	: 8	75.39 92.55 22.65	:	20.04 42.23 28.96	:	0 • 0 11 • 5
CASE NO. 120 :: (0/ 25/ 0) :: TEN YR PROD= 270::	NEWPORT HAWTHORNE MC ALESTER	1 8	56.84 71.74 03.73	:	26.62 42.21 28.94	:	0 · 0 11 · 7

COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST= -5%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%
(COST IN SMILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

IDENTIFI	CATION	1 1	SITE	1	COST	•	SIGMA	1	RISK(%)	\$
CACE NO	121		NEWPOR!		606.35	• • • • •	26.71		******	• • •
	/100)		HAWTHORNE		927.28		42.28		0.0	
TEN YR P			MC ALESTER		654.23	i	29.02	į	11.2	1
										#
CASE NO.	122	2 2	NEWPORT	1	581.80	•	25.66	2	****	2
(0/ 0			HAWTHORNE	î	906.47	\$	42.24	1	0.0	2
TEN YR P	ROD= 81	011	MC ALESTER	2	635.31	1	28.98	\$	11.4	1
CASE NO.	123	::	NEWPORT	:	569.25	:	26.63	:	****	
(0/ 0		2 2	HAWTHORNE	1	885.66	2	42.22	8	0 . 0	
TEN YR P	ROD= 54	0::	MC ALESTER	1-1	616.39	2	28.95	-	11.5	8
										#
CASE NO.	124	8 8	NEWPORT	1	550.10	1	26.61	1	****	8
(0/ 0	/ 25)	: 8	HAWTHORNE	1	864.86	1.	42.21	2	0 - 0	1
TEN YR P	ROD= 27	0::	MC ALESTER	1	597.47		28.93	1	11.7	1
CASE NO.			NEWPORT	\$	532.15	8	26.61	3	****	1
(0/ 0	/ 0)	2 2	HAWTHORNE	2	844.05	\$	42.20	\$	0.0	8
TEN YR P	ROD=	1:0	MC ALESTER	\$	578.55	2	28 3 93	8	11.9	8



COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST= 5%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%
(COST IN SMILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION 1	SITE	1	COST	1	SIGMA	1	RISK(%)
CASE NO. 1 :: (100/100/100) :: TEN YR PROD= 3600::	NEWPORT HAWTHORNE MC ALESTER		945.41 1244.79 942.96	1	31.44 43.87 31.03	:	47.8
CASE NO. 2 : (100/100/ 75) : TEN YR PROD= 3330:	NEWPORT HAWTHORNE MC ALESTER		926.87 1223.99 924.04	:	31.24 43.71 30.83	: :	47.4 0.0
CASE NO. 3 :1 (100/100/ 50) :1 TEN YR PROD= 3060:1	NEWPORT HAWTHORNE MC ALESTER	: : :	908.32 1203.18 905.12	:	31.05 43.55 30.63	: :	47.1 0.0
CASE NO. 4 1: (100/100/ 25) 1: TEN YR PROD= 2790:	NEWPORT HAWTHORNE MC ALESTER	:	889.77 1182.37 886.20		30.87 43.40 30.44	:	46.7 0.0
CASE NO. 5 :: (100/100/ 0) :: TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	:	871.22 1161.57 867.28	:	30.70 43.26 30.27	:	46.4 0.0
CASE NO. 6 :: (100/ 75/100) :: TEN YR PROD= 3330::	HAWTHORNE	:	920.73 1217.10 917.78	:	31.18 43.65 30.76	:	47.3 0.0
CASE NO. 7 11 (100/ 75/ 75) 11 TEN YR PROD= 3060:1	NEWPORT HAWTHORNE MC ALESTER	1	902.18 1196.29 898.86	:	30.99 43.50 30.57	8	47.0 0.0
CASE NO. 8 :: (100/ 75/ 50) :: TEN YR PROD= 2790::	-	\$ \$	883.63 1175.49 879.94	:	30.81 43.35 30.38	:	46.6 0.0
CASE NO. Y :: (100/ 75/ 25) :: TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	1	865.08 1154.68 861.02	1 1	30.65 43.21 30.21	:	46.2 0.0
CASE NO. 10 :: (100/ 75/ 0) :: TEN YR PROD= 2250::		2	846.53 1133.87 842.10	:	30.49 43.08 30.05	:	45.9 0.0

COSI /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP. COSTS

CONST= 5%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN SMILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION :	SITE	1	COST		SIGMA		RISK(%)
CASE NO. 11 :3 (100/ 50/100) :3 TEN YR PROD= 3060:3	HAWTHORNE		896.04 1189.41 892.59	:	30.93 43.45 30.50	:	46 · 8 0 · 0
CASE NO. 12 :: (100/50/75) :: TEN YR PROD= 2790::		2	877.49 1168.60 873.67	:	30.76 43.31 30.32	2 8 8	46.5 0.0
CASE NO. 13 :: (100/ 50/ 50) :: TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	:	858.94 1147.79 854.75	:	30.59 43.17 30.15	:	46.1 0.0
CASE NO. 14 :: (100/ 50/ 25) :: TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER	1 1	840.39 1126.99 835.83		30.44 43.04 30.00	:	45.8 C.0
CASE NO. 15 :: (100/ 50/ 0) :: TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER	:	821.85 1106.18 816.91	‡ ‡	30.30 42.93 29.85	1 1	45.4 0.0
CASE NO. 16 :: (100/ 25/100) :: TEN YR PROD= 2790::	NEWPORT HAWTHORNE MC ALESTER	:	871.35 1161.71 867.41	:	30.70 43.26 30.27	:	46.4 0.0
CASE NO. 17 :: (100/ 25/ 75) :: TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	:	852.80 1140.91 848.49	:	30.54 43.13 30.10	:	46 • 0 0 • 0
CASE NO. 18 :: (100/ 25/ 50) :: TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER	:	834.25 1120.10 829.57	:	30.39 43.00 29.94	:	45 • 6 0 • 0
CASE NO. 19 :: (100/ 25/ 25) :: TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER	:	815.71 1099.29 810.65		30.25 42.89 29.80	:	45.3 0.0
CASE NO. 20 :: (100/ 25/ 0) :: TEN YR PROD= 1710::		8	797.16 1078.49 791.73	:	30.12 42.78 29.66	:	44.9 0.0

COST /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 5%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

I IDENTIFICATION :	SITE		cost		SIGMA	1	RISK(%)	1
CASE NO. 21	NEWPOR! HAWTHORNE MC ALESTER		846.66	:	30.49 43.09 30.05	i i	45.9	:
: CASE NO. 22 :: : (100/ 0/ 75) :: : TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER		828.11 1113.21 823.31	1	30.34 42.96 29.90	\$ \$ \$	45.5 0.0 ****	1
: CASE NO. 23 :: : (100/ 0/ 50) :: : TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER		009.57 1092.41 804.39	:	30.21 42.85 29.75	:	45 · 1 0 · 0	:
: CASE NO. 24 :: : (100/ 0/ 25) :: : TEN YR PROD= 1710::	NEWPORT HAWTHORNE MC ALESTER		791.02 1071.60 785.47	1	30.08 42.75 29.62	3	44.8 0.0	1
: CASE NO. 25 :: : (100/ 0/ 0) :: : TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER			\$ 8 \$	29.96 42.65 29.50	:	44.4 0.0 ****	:
: CASE NO. 26 :: : (75/100/100) : TEN YR PROD= 3240::	NEWPORT HAWTHORNE MC ALESTER		899.34 1193.11 895.96	:	30.96 43.48 30.54	:	46.9 0.0	:
: CASE NO. 27 :: : (75/100/ 75) :: : TEN YR PROD= 2970::	NEWPORT HAWTHORNE MC ALESTER	1	1172.30	:	30.79 43.33 30.36	:	46.5 0.0	:
: CASE NO. 2d :: : (75/100/ 50) :: : TEN YR PROD= 2700::	NEWPORT HAWTHORNE MC ALESTER	:	862.24 1151.49 858.12	:	30.62 43.19 30.18	:	46.2 0.0	:
: CASE NO. 29 :: : (75/100/ 25) :: : TEN YR PROD= 2430::	NEWPORT HAWTHORNE MC ALESTER	1	843.69 1130.69 839.20	1 1	30.4! 43.07 30.02	:	45.8 0.0	:
: CASE NO. 30 :: : (75/100/ 0) :: : TEN YR PROD= 2160::	HAWTHORNE	:	825.15 1109.88 820.28	:	30.32 42.95 29.87	:	45.4 0.0	:

COSI /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 5%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN SMILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

*							5.55	
: IDENTIFICATION :	SITE	-	COST	•	SIGMA	<u> </u>	RISK(%)	
: CASE NO. 31 :: : (75/75/100) :: : TEN YR PROD= 2970:	NEWPOR! HAWTHORNE MC ALESTER		874.65 1165.41 870.78	:	30.73 43.28 30.30	:	46.4	:
: CASE NO. 32 :: : (75/75/75) :: : TEN YR PROD= 2700::	HAWTHORNE	1	856.10 1144.61 851.86	8 8	30.57 43.15 30.13	:	46.1 0.0	:
: CASE NO. 33 :: : (75/75/50) :: : TEN YR PROD= 2430::	NEWPORT HAWTHORNE MC ALESTER	:	837.55 1123.80 832.94	\$ \$ \$	30.42 43.02 29.97	\$ \$ \$	45.7 0.0	1
: CASE NO. 34 :: : (75/75/25) :: : TEN YR PROD= 2160::	NEWPORT HAWTHORNE MC ALESTER	1 1	819.01 1102.99 814.02	:	30.2/ 42.91 29.82	1	45.3 0.0	
: CASE NO. 35 :: : (75/75/0) :: : TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	:	800.46 1082.19 795.10	: :	30.14 42.80 29.69	î î	45.0 0.0	
: CASE NO. 36 :: : (75/50/100) :: : TEN YR PROD= 2700::	NEWPORT HAWTHORNE MC ALESTER	:	849.96 1137.72 845.59	\$ \$ \$	30.52 43.11 30.08	:	45.9 0.0	1
: CASE NO. 37 :: : (75/50/75) :: : TEN YR PROD= 2430::		:	831.41 1116.91 826.67	:	30.37 42.99 29.92	:	45.6 0.0	1
: CASE NO. 30 :: : (75/50/50) :: : TEN YR PROD= 2160::	NEWPORT HAWTHORNE MC ALESTER	:	812.87 1096.11 807.75	:	30.23 42.87 29.78	:	45.2 0.0	
: CASE NO. 37 :: : (75/50/25) :: : TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	:	794.32 1075.30 788.83	:	30.10 42.77 29.65	:	44.8 0.0	
: CASE NO. 40 :: : (75/50/0) :: : TEN YR PROD= 1620::	HAWTHORNE	:	775.77 1054.49 769.91	:	29.98 42.67 29.52	:	44.5 0.0	

COSI /SENSITIVITY /MISK

INCREASE IN NEWPORT AAP COSTS

CONST= 5%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

\$					9
: IDENTIFICATION :	SITE !	COST	SIGMA	RISK(%)	1
: CASE NO. 41 :: : (75/25/100) :: : TEN YR PROD= 2430::			: 30.32 : 42.95 : 29.87	45.5	1 1
: CASE NO. 42 :: : (75/25/75) :: : TEM YR PROD= 2160::			30.19 42.84 29.73	45.1 0.0	1
CASE NO. 43 :: (75/ 25/ 50) :: TEN YR PROD= 1890::			30.06 42.73 29.60	\$ 44.7 \$ 0.0 \$ ****	:
: CASE NO. 44 :: : (75/25/25] :: : TEN YR PROD= 1620::			29.95 1 42.64 1 29.48	\$ 44.3 0.0	:
: CASE NO. 45 :: : (75/25/0) :: : TEN YR PROD= 1350::	NEWPORT I HAWTHORNE I MC ALESTER I		1 29.84 1 42.56 1 29.38	\$ 44.0 0.0	1
: CASE NO. 46 :: : (75/ 0/100) :: : TEN YR PROD= 2160::	HAWTHORNE I		30.14 42.80 29.69	\$ 45.0 0.0 \$ 44.4	1 1 1
: CASE NO. 47 :: : (75/ 0/75) :: : TEN YR PROD= 1890::	NEWPORT : HAWTHORNE : MC ALESTER :	1061.53	30.02 42.70 29.56	\$ 44.6 \$ 0.0	1
1 CASE NO. 45 11 1 (75/ 0/50) 11 1 TEN YR PROD= 1620:			29.91 1 42.61 1 29.45	\$ 44.2 \$ 0.0 \$ ****	1
CASE NO. 47 18 (75/ 0/ 25) 18 TEN YR PROD= 1350:	NEWPORT : HAWTHORNE : MC ALESTER :		: 29.81 : 42.53 : 29.34	43.8 0.0	:
: CASE NO. 50 1: : (75/ 0/ 0) 1: : TEN YR PROD= 10801:			1 29.72 1 42.46 1 29.25	43.5	1 1

COSI /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST= 5%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%
(COST IN \$MILLION DISCOUNTED AT 10%)
(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION :	SITE	COST	SIGMA	RISK(%)
CASE NO. 51 :: (50/100/100) :: TEN YR PROD= 2880::	NEWPORT HAWTHORNE MC ALESTER		30.55 43.13 30.10	\$ 46.0 \$ 0.0 \$ ****
CASE NO. 52 :: (50/100/ 75) :: TEN YR PROD= 2610::	NEWPORT HAWTHORNE MC ALESTER		: 30.39 : 43.01 : 29.95	45.6 0.0
CASE NO. 53 :: (50/100/50) :: TEN YR PROD= 2340::	NEWPORT HAWTHORNE MC ALESTER		30.25 42.89 29.80	45.3 0.0
CASE NO. 54 :: (50/100/25) :: TEN YR PROD= 2070::	NEWPORT HAWTHORNE MC ALESTER		30.12 42.78 29.67	44.9 0.0
CASE NO. 55 ;; (50/100/ 0) ;; TEN YR PROD= 1800::	NEWPORT HAWTHORNE MC ALESTER		30.00 42.69 29.54	\$ 44.5 0.0
CASE NO. 56 :: (50/75/100) :: TEN YR PROD= 2610::	NEWPORT HAWTHORNE MC ALESTER		30.35 42.97 29.90	45.5 0.0
CASE NO. 57 :: (50/ 75/ 75) :: TEN YR PROD= 2340::	NEWPORT HAWTHORNE MC ALESTER		30.21 42.85 29.76	45.1 0.0
CASE NO. 58 :: (50/ 75/ 50) :: TEN YR PROD= 2070::	The second second	791.48 1072.12 785.94	30.08 42.75 29.63	\$ 44.8 \$ 0.0
CASE NO. 59 :: (50/75/25) :: TEN YR PROD= 1800::	NEWPORT HAWTHORNE MC ALESTER	772.93 1051.31 767.02	29.97 42.66 29.51	8 44 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
CASE NO. 60 :: (50/75/0) :: TEN YR PROD= 1530::	HAWTHORNE	754.38 1030.50 748.10	29.86 : 42.57 : 29.40	44.0

COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST= 5%, MTLS= 0% UTLS= 0%, L8R= 0%, TRANS= 0%
(COST IN \$MILLION DISCOUNTED AT 10%)
(QUANTITIES IN MILLIONS OF L6S.)

*								
: IDENTIFICATION ::	SITE	1	COST	:	SIGMA	3	RISK(%)	\$
: CASE NO. 61 :: : (50/50/100) :: : TEN YR PROD= 2340::	NEWPOR! HAWTHORNE MC ALESTER		803.89 1086.03 798.60	:	30.17 42.82 29.71	:	45.0	:
: CASE NO. 62 :: : (50/50/75) :: : TEN YR PROD= 2070::	NEWPORT HAWTHORNE MC ALESTER	:	785.34 1065.23 779.67	:	30.04 42.72 29.58	:	44.7 0.0	:
: CASE NO. 63 :: : (50/50/50) :: : TEN YR PROD= 1800::	NEWPORT HAWTHORNE MC ALESTER	:	766.79 1044.42 760.75	:	29.93 42.63 29.47	:	44.3 0.0	:
: CASE NO. 64 :: : (50/50/25) :: : TEN YR PROD= 1530::	NEWPORT HAWTHORNE MC ALESTER	2	748.24 1023.61 741.83	:	29.83 42.54 29.36	:	43.9 0.0	:
: CASE NO. 65 :: : (50/50/0) :: : TEN YR PROD= 1260::	NEWPORT HAWTHORNE MC ALESTER	:	729.70 1002.81 722.91	:	29.74 42.47 29.27	:	43.5 0.0	:
: CASE NO. 66 :: : (50/25/100) :: : TEN YR PROD= 2070::		:	779.20 1058.34 773.41	:	30.00 42.69 29.54	:	44.5	:
: CASE NO. 67 :: : (50/25/75) :: : TEN YR PROD= 1800::	NEWPORT HAWTHORNE MC ALESTER	:	760.65 1037.53 754.49	:	29.90 42.60 29.43	:	44.2 0.0	:
: CASE NO. 68 :: : (50/25/50) :: : TEN YR PROD= 1530::	NEWPORT HAWTHORNE MC ALESTER	:	742.10 1016.73 735.57	:	29.80 42.52 29.33	:	43.8 0.0	:
: CASE NO. 69 :: : (50/25/25) :: : TEN YR PROD= 1260::	NEWPORT HAWTHORNE MC ALESTER	:	723.56 995.92 716.65	:	29./1 42.45 29.24	:	43.4 0.0	:
: CASE NO. 70 :: : (50/25/0) :: : TEN YR PROD= 990::	NEWPORT HAWTHORNE MC ALESTER	1 1	705.01 975.11 697.73	:	29.63 42.38 29.16	:	43.1 0.0	:

COST /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 5%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION 1	SITE	2	COST		SIGMA	:	RISK(%)
CASE NO. 71 :: (50/ 0/100) :: TEN YR PROD= 1800::	NEWPORI HAWTHORNE MC ALESTER	1	754.51 1030.65 748.23	1	29.86 42.57 29.40	:	44.0
CASE NO. 72 :: (50/ 0/ 75) :: TEN YR PROD= 1530::	NEWPORT HAWTHORNE MC ALESTER	:	(35.96 1009.84 729.31	3	29.11 42.49 29.30	: :	43.7 0.0
CASE NO. 73 :: (50/ 0/ 50) :! TEN YR PROD= 1260::	NEWPORT HAWTHORNE MC ALESTER	1 1 1	/17.42 989.03 710.39	i i	29.68 42.42 29.21	: :	43.3 0.0
CASE NO. 74 : (50/ 0/ 25) : TEN YR PROD= 990:	NEWPORT HAWTHORNE MC ALESTER	:	698.87 968.23 691.47	:	29.61 42.37 29.14	:	42.9 0.0
CASE NO. 75 :: (50/ 0/ 0) :: TEN YR PROD= 720::		1 1	680.32 947.42 672.55		29.55 42.32 29.07	:	42.6 0.0
CASE NO. 76 :: (25/100/100) :: TEN YR PROD= 2520::	HAWTHORNE	:	807.19 1089.74 801.96	1	30.19 42.84 29.74	:	45.1 0.0
CASE NO. 77 :: (25/100/ 75) :: TEN YR PROD= 2250::		:	788.64 1068.93 783.04	1	30.06 42.74 29.61	1	44.7 0.0
CASE NO. 78 :: (25/100/ 50) :: TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER	: :	770.09 1048.12 764.12	:	29.95 42.64 29.49	1	44.4 0.0
CASE NO. 77 :: (25/100/ 25) :: TEN YR PROD= 1710::	NEWPORT HAWTHORNE MC ALESTER	1	751.54 1027.32 745.20	:	29.85 42.56 29.38	:	44.0 0.0
CASE NO. 80 :: (25/100/ 0) :: TEN YR PROD= 1440::		1 1	733.00 1006.51 726.28	:	29.75 42.48 29.28	:	43.6 0.0

RDX - HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS
CONST= 5%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0% (COST IN SMILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LOS.)

	: IDENTIFICATION :	SITE	1	COST	,	SIGMA	1	RISK(%)	:
	: CASE NO. 81 :: : (25/75/100) :: : TEN YR PROD= 2250::	NEWPOR! HAWTHORNE MC ALESTER		782.50 1062.04 776.78	:	30.02 42.70 29.57	:	44.6	:
	: CASE NO. 82 :: : (25/ 75/ 75) :: : TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER	:	763.95 1041.24 757.86	:	29.91 42.61 29.45	8 8	44.2 0.0	:
	: CASE NO. 83 :: : (25/ 75/ 50) :: : TEN YR PROD= 1710::	NEWPORT HAWTHORNE MC ALESTER	:	745.40 1020.43 738.94	:	29.81 42.53 29.35	8 8	43.9 0.0	:
	: CASE NO. 84 :: : (25/ 75/ 25) :: : TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER	:	726.86 999.62 720.02	:	29.72 42.46 29.25	\$ 2 8	43.5 0.0	:
D	: CASE NO. 85 :: : (25/75/0) :: : TEN YR PROD= 1170::	NEWPORT HAWTHORNE MC ALESTER	1 1	/08.31 978.82 701.10	:	29.65 42.39 29.17	3 3	43.1 0.0	:
	: CASE NO. 86 :: : (25/50/100) :: : TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER	:	757.81 1034.35 751.60	:	29.88 42.58 29.42	:	44 • 1 0 • 0	:
	: CASE NO. 87 :: : (25/ 50/ 75' :: : TEN YR PROD= 1710::	NEWPORT HAWTHORNE MC ALESTER	:	739.26 1013.54 732.68	:	29.78 42.51 29.32	:	43.7 0.0	:
	: CASE NO. 88 :: : (25/ 50/ 50) :: : TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER	:	720.72 992.74 713.75		29.70 42.44 29.23	:	43.4 0.0	:
	: CASE NO. 89 :: : (25/50/25) :: : TEN YR PROD= 1170::	NEWPORT HAWTHORNE MC ALESTER	:	702.17 971.93 694.83	:	29.62 42.38 29.15	:	43.0	:
	: CASE NO. 90 :: : (25/50/0) :: : TEN YR PROD= 900:	NEWPORT HAWTHORNE MC ALESTER	:	683.62 951.12 675.91	:	29.56 42.32 29.08	:	42.6 0.0	:

RDX - HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 5%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION	: SITE	:	CUST		SIGMA	1	RISK(%)
CASE NO. 91 (25/ 25/100) TEN YR PROD= 1710			733.12 1006.66 726.41	:	29.75 42.48 29.28	1	43.6 0.0
		:	714.58 985.85 707.49	t 1	29.67 42.42 29.20	•	43.2 0.0
	NEWPORT HAWTHORNE MC ALESTER	:	696.03 965.04 688.57	\$ \$	29.60 42.36 29.13	:	42.9 0.0
CASE NO. 94 (25/ 25/ 25) TEN YR PROD= 900	11 HAWTHORNE	1	677.48 944.24 669.65	!	29.54 42.31 29.06	:	42.5 0.0
		1 2	658.93 923.43 650.73	!	29.49 42.27 29.01	1	42 • 1 0 • 0
CASE NO. 96 (25/ 0/100) TEN YR PROD= 1440	: HAWTHORNE	8	708.44 978.96 701.23	:	29.65 42.40 29.17	:	43.1 0.0
4	NEWPORT HAWTHORNE MC ALESTER	:	689.89 958.16 682.31	:	29.58 42.34 29.10	:	42.8 0.0
CASE NO. 95 (25/ 0/ 50) TEN YR PROD= 900	11 HAWTHORNE	:	671.34 937.35 663.39	:	29.52 42.29 29.05	; ;	42.4 0.0
	:: NEWPORT :: HAWTHORNE :: MC ALESTER	:	652.79 916.54 644.47	:	29.48 42.25 29.00	:	42.0 0.0
CASE NO. 100 (25/ 0/ 0) TEN YH PROD= 360		:	634.24 895.74 625.55	:	29.44 42.23 28.96	:	41.7 0.0

COST /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 5%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

4	: IDENTIFICATION :	SITE	:	COST		SIGMA	:	RISK(%)
	: CASE NO. 101 :: : (0/100/100) :: : TEN YR PROD= 2160::	NEWPORT HAWTHORNE MC ALESTER		761.11 1038.05 754.96	:	29.90 42.60 29.43		44.2 0.0
	: CASE NO. 102 :: : (0/100/ 75) :: : TEN YR PROD= 1890::		: :	742.56 1017.24 736.04		29.80 42.52 29.33		43.8 0.0
	: CASE NO. 103 :: : (0/100/ 50) :: : TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER	:	/24.02 996.44 717.12	1	29.71 42.45 29.24	:	43.4 0.0
	: CASE NO. 104 :: : (0/100/ 25) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	:	705.47 975.63 698.20	:	29.63 42.39 29.16	1	43 · 1 0 · 0
	: CASE NO. 105 :: : (0/100/ 0) :: : TEN YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER	:	686.92 954.83 679.28	\$ \$ \$	29.57 42.33 29.09	\$ \$	42.7 0.0
	: CASE NO. 106 :: : (0/ 75/100) :: : TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	:	736.43 1010.36 729.78	:	29.77 42.49 29.30	\$ \$ \$	43.7 0.0
	: CASE NO. 107 :: : (0/ 75/ 75) :: : TEN YR PROD= 1620::		: :	717.88 989.55 710.86	:	29.68 42.43 29.21	\$ \$ \$	43.3 0.0
	: CASE NO. 103 :: : (0/ 75/ 50) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	:	699.33 968.74 691.94	:	29.61 42.37 29.14	:	42.9 0.0
	: CASE NO. 107 :: : (0/ 75/ 25) :: : TEN YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER	:	680.78 947.94 673.02	:	29.55 42.32 29.07	3 3	42.6 0.0
•		HAWTHORNE	:	662.23 927.13 654.10	:	29.50 42.28 29.02	\$ \$ \$	42.2 0.0

RDX - HMX SITE SELECTION FUUR LINE CAPACITY COS! /SENSITIVITY /RISK FASE IN NEWPORT AAP COS

INCREASE IN NEWPORT AAP COSTS

CONST= 5%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION 11	SITE	cos	T	SIGMA	:	RISK(%)	
CASE NO. 111 :: (0/ 50/100) :: TEN YR PROD= 1620:	NEWPOR! HAWTHORNE MC ALESTER	711. 982. 704.	66 1	29.66 42.41 29.19	8	43.2	• • •
CASE NO. 112 :: (0/50/75) :: TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	: 693. : 961. : 685.	86 :	29.59 42.35 29.12	:	42.8 0.0	
CASE NO. 113 :: (0/50/50) :: TEN YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER	674. 941. 666.	05 :	29.53 42.30 29.05	1	42.5 0.0	
CASE NO. 114 :: (0/50/25) :: TEN YR PROD= 810:	NEWPORT HAWTHORNL MC ALESTER	656. 920.	24 1	29.48 42.26 29.01	:	42.1 0.0	
CASE NO. 115 :: (0/50/ 0) :: TEN YR PROD= 540::	NEWPORT HAWTHORNE MC ALESTER	637. 899. 628.	44 1	29.45 42.24 28.97	:	41.7 0.0	
CASE NO. 116 :: (0/ 25/100) :: TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	: 687. : 954. : 679.	97 1	29.57 42.33 29.09	:	42.7 0.0	
CASE NO. 117 :: (0/ 25/ 75) :: TEN YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER	668. 934.	16	29.51 42.29 29.04	:	42 · 3 0 · 0	
CASE NO. 118 :: (0/ 25/ 50) :: TEN YR PROD= 810::	NEWPORT HAWTHORNE MC ALESTER	: 649. : 913. : 641.	36 1	29.47 42.25 28.99	:	42.0 0.0	
CASE NO. 119 :: (0/ 25/ 25) :: TEN YR PROD= 540:	NEWPORT HAWTHORNE MC ALESTER	631.	55 1	29.44 42.23 28.96	1	41.6	
CASE NO. 120 :: (0/ 25/ 0) :: TEN YR PROD= 270::	NEWPORT HAWTHORNE MC ALESTER	612. 871. 603.	74 1	29.42 42.21 28.94	:	41.2	

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RDX - HMX SITE SELECTION FOUR LINE CAPACITY

COSI /SENSITIVITY /HISK

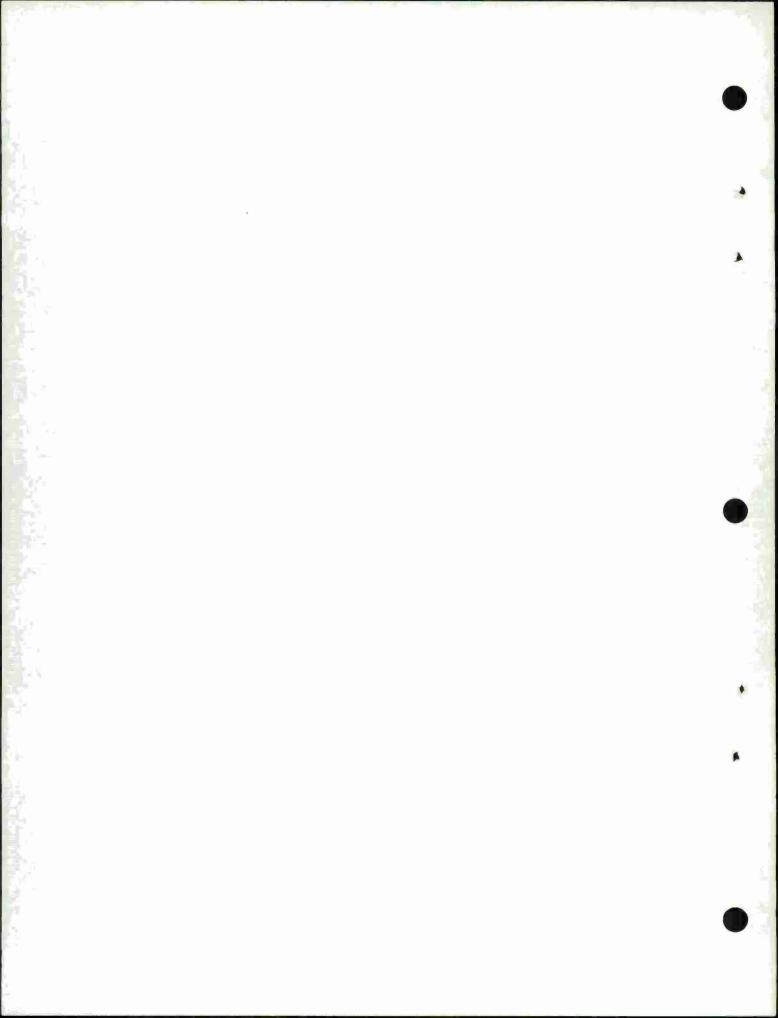
INCREASE IN NEWPORT AAP COSTS

CONST= 5%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

	*									*
4	: IDENTIFICATION	N II	SITE	1	CUST		SIGMA		RISK(%)	1
	: CASE NO. 121 : (0/ 0/100) : TEN YR PROD=		NEWPOR! HAWTHORNE MC ALESTER	:	662.36 927.28 654.23	1	29.50 42.28 29.02		42.2 0.0	:
	: CASE NO. 122 : (0/ 0/ 75) : TEN YR PROD=	11	NEWPORT HAWTHORNE MC ALESTER	:	643.81 906.47 635.31	:	29.46 42.24 28.98		41.8 0.0	:
	: CASE NO. 123 : (0/ 0/ 50) : TEN YR PROD=	540::	NEWPORT HAWTHORNE MC ALESTER	1	625.27 885.66 616.39	:	29.43 42.22 28.95	1	41.5	:
	: CASE NO. 124 : (0/ 0/ 25) : TEN YR PROD=	1 1	NEWPORT HAWTHORNE MC ALESTER	:	606.72 864.86 597.47	:	29.41 42.21 28.93	1 1	41.1	:
	1 CASE NO. 125 (0/ 0/ 0) 1 TEN YR PROD=	0::	NEWPORT HAWTHORNE MC ALESTER	:	588.17 844.05 578.55		29.41 42.20 28.93	:	40 • B 0 • 0	1



COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST= 10%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%
(COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

: IDFNTIFICATION :	SITE	cust	: SIGMA	RISK(%)	
CASE NO. 1 :: : (100/100/100) :: : TEN YR PROD= 3600::	HAWTHORNE	1 973.42 1 1244.79 1 942.96	32.76 43.87 31.03	: 25.0 : 0.0 : ****	2
: CASE NO. 2 :: : (100/100/ 75) :: : TEN YR PROD= 3330::		954.87 1223.99 924.04	: 32.56 : 43.71 : 30.83	24.6	1
: CASE NO. 3 :: : (100/100/ 50) :: : TEN YR PROD= 3060::	NEWPORT HAWTHORNE MC ALESTER	936.33 1203.18 905.12	32.38 43.55 1 30.63	24.2 0.0	1
: CASE NO. 4 :: : (100/100/ 25) :: : TEN YR PROD= 2790::	NEWPORT HAWTHORNE MC ALESTER	917.78 1182.37 886.20	9 32.21 9 43.40 9 30.44	23.8	:
: CASE NO. 5 :: : (100/100/ 0) :: : TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	899.23 1161.57 867.28	32.05 43.26 30.27	23.4	1
: CASE NO. 6 :: : (100/ 75/100) :: : TEN YR PROD= 3330::		948.73 1217.10 917.78	32.50 43.65 30.76	24.5 1 0.0 1 ****	1
: CASE NO. 7 :: : (100/ 75/ 75) :: : TEN YR PROD= 3060::		930.19 1196.29 898.86	32.32 43.50 30.57	24.1	1
: CASE NO. 0 :: : (100/ 75/ 50) :: : TEN YR PROD= 2790::		911.64 1175.49 879.94	32.15 43.35 1 30.38	23.7	:
: CASE NO. 7 :: : (100/ 75/ 25) :: : TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	1 693.09 1154.68 1 861.02	31.99 43.21 30.21	23.3	1
: CASE NO. 10 :: : (100/ 75/ 0) :: : TEN YR PROD= 2250::			: 31.84 : 43.08 : 30.05	22.9	1

RDX - HMX SITE SELECTION FUUR LINE CAPACITY COST /SENSITIVITY /HISK

INCREASE IN NEWPORT AAP COSTS

CONST= 10%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN SMILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

: IDENTIFICATION :	SITE	1	CUST		SIGMA	1	RISK(%)	#
: CASE NO. 11 :: : (100/ 50/100) :: : TEN YR PROD= 3060::	NEWPOR! HAWTHORNE MC ALESTER		924.05 1189.41 892.59	:	32.27 43.45 30.50	1	23.9	:
: CASE NO. 12 :: : (100/ 50/ 75) :: : TEN YR PROD= 2790::		:	905.50 1168.60 873.67	:	32.10 43.31 30.32	1	23.6	:
: CASE NO. 13 :: : (100/ 50/ 50) :: : TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	:	886.95 1147.79 854.75	:	31,94 43.17 30.15	:	23.2	:
: CASE NO. 14 :: : (100/ 50/ 25/ :: : TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER	:	868.40 1126.99 835.83	1 1	31.79 43.04 30.00	:	22.8	:
: CASE NO. 15 :: : (100/ 50/ 0) :: : TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER	:	849.85 1106.18 816.91	:	31.66 42.93 29.65	:	22.4	:
: CASE NO. 16 :: : (100/ 25/100/ :: : TEN YR PROD= 2790::	NEWPORT HAWTHORNE MC ALESTER	:	899.36 1161.71 867.41	:	32.05 43.26 30.27	:	23.4	:
: CASE NO. 17 :: : (100/ 25/ 75) :: : TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	:	880.81 1140.91 848.49	:	31.d9 43.13 30.10	:	23.1 0.0	:
: CASE NO. 10 :: : (100/ 25/ 50) :: : TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER	:	862.26 1120.10 829.57	:	31.75 43.00 29.94	:	22.7 0.0	:
: CASE NO. 17 :: : (100/ 25/ 25) :: : TEN YR PROD= 1980::		:	843./1 1099.29 810.65	;	31.61 42.89 29'.80	:	22.3	:
: CASE NO. 20 :: : (100/25/0) :: : TEN YR PROD= 1710::	HAWTHORNE	:	825.17 1078.49 791.73	:	31.49 42.78 29.66	:	22.0	:

RDX - HMX SITE SELECTION FUUR LINE CAPACITY COST /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 10%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LES.)

: IDENTIFICATION ::	SITE	8	COST	2	SIGMA	3	RISK(%)	8
	NEWDOO!		074 47		21 04		22 0	
I CASE NO. 21	NEWPOR		874.67	1	31.84	- 8	22.9	8
: (100/ 0/100) ::				8	43.09	8	0.0	
: TEN YR PROD= 2520:1	MC ALESTER	1	842.23	2	30.05	2	****	3
*								#
: CASE NO. 22 1		1	856.12		31.70	2	22.6	2
1 (100/ 0/ 75) 11				8	42.96	8	0.0	8
: TEN YR PROD= 2250:	MC ALESTER	1	823.31	1	29.90	1	****	3
: CASE NO. 23 ::	NEWPORT	2	837.57		31.57	1	22.2	1
: (100/ 0/ 50) ::		2	1092.41	1	42.85	7	0.0	
						•	****	
: TEN YR PROD= 1980::	MC ALESTER		804.39	1	29.75			
: CASE NO. 24 ::	NEWPORT	8	819.03	1	31,45	;	21.9	2
: (100/ 0/ 25) ::		100	1071.60	1	42.75	2	0.0	
1 TEN YR PROD= 1710:1	MC ALESTER	-	785.47	1	29.62	2	***	9
TIEN IN PRODE TITO.	THE MEESTER		100,77					
1 CASE NO. 25 11	NEWPORT		800.48	2	31.34	3	21.5	3
: (100/ 0/ 0) ::	HAWTHORNE	2	1050.79	2	42.65	8	0.0	- 3
: TEN YR PROD= 1440:1		2	766.55	1	29.50	2	****	- 1
****								#
1 CASE NO. 26 11	NEWPORT	8	927.35	8	32.30	8	24.0	1
: (75/100/100) ::	HAWTHORNE	0	1193,11	2	43.48	8	0.0	1
: TEN YR PROD= 3240::	MC ALESTER		895.96	2	30.54	i	****	2
****								#
1 CASE NO. 2/ 1:	NEWPORT		908.80		32.13	1	23.6	3
: (75/100/ 75) ::	HAWTHORNE	8	1172.30	2	43.33		0.0	1
: TEN YR PROD= 2970:1	MC ALESTER		877.04	2	30.36	:	****	3
*								
I CASE NO. 20 II	NEWPORT		890.25	1	31.97	8	23.2	1
1 (75/100/ 50) 11	HAWTHORNE	1	1151.49	2	43.19	1	0.0	1
: TEN YR PROD= 2700:	MC ALESTER		858.12	1	30.18	2	****	
Q								+
: CASE NO. 29 11	NEWPORT	8	871.70		31.82	1	22.9	1
: (75/100/ 25) :1	HAWTHORNE	2	1130,69	1	43.07	1	0.0	1
I TEN YR PROD= 2430:1	MC ALESTER	1	839.20	1	30.02	8	****	1

CASE NO. 30 11		1	053.15		31.68	1	22.5	8
	HAWTHORNE			8	42.95	3	0.0	\$
I TEN YR PROD= 2160:1	MC ALESTER	1	820.28	2	29.87	8	****	8
*								

FOUR LINE CAPACITY
COST /SENSITIVITY /MISK

COST /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 10%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF L8S.)

IDENTIFICATION :	SITE	1	COST		SIGMA		RISK (%)
CASE NO. 31 :: (75/75/100) :: TEN YR PROD= 2970::	NEWPORT HAWTHORNE MC ALESTER	:	902.66 1165.41 870.78	:	32.07 43.28 30.30	:	23.5
CASE NO. 32 :: (75/ 75/ 75) :: TEN YR PROD= 2700::	NEWPORT HAWTHORNE MC ALESTER	:	884.11 1144.61 851.86	:	31.92 43.15 30.13	1	23.1 0.0 ****
CASE NO. 33 :: (75/ 75/ 50) :: TEN YR PROD= 2430::	NEWPORT HAWTHORNE MC ALESTER	:	865.56 1123.80 832.94	:	31. (! 43. 02 29. 97	: :	22.8 0.0
CASE NO. 34 :: (75/ 75/ 25) :: TEN YR PROD= 2160::	NEWPORT HAWTHORNE MC ALESTER	:	847.01 1102.99 814.02		31.64 42.91 29.82	:	22.4
CASE NO. 35 :: (75/ 75/ 0) :: TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	1	828.47 1082.19 795.10	;	31.51 42.80 29.69	1	22.0
CASE NO. 36 :: (75/ 50/100) :: TEN YR PROD= 2700::	NEWPORT HAWTHORNE MC ALESTER	:	877.97 1137.72 845.59	:	31.87 43.11 30.08	:	23.0 0.0 ****
CASE NO. 37 :: (75/50/75) :: TEN YR PROD= 2430::	NEWPORT HAWTHORNE MC ALESTER	:	859.42 1116.91 826.67	:	31.73 42.99 29.92	:	22.6
CASE NO. 38 :1 (75/ 50/ 50) :1 TEN YR PROD= 2160:1	NEWPORT HAWTHORNE MC ALESTER	:	840.87 1096.11 807.75	:	31.59 42.87 29.78	:	22.3 0.0
CASE NO. 37 :: (75/ 50/ 25) :: TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER	:	822.33 1075.30 788.83	1 2 1	31.47 42.77 29.65	:	21.9
CASE NO. 40 :: (75/50/0) :: TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER	:	803.78 1054.49 769.91	:	31.36 42.67 29.52	:	21.6

RDX - HMX SITE SELECTION FUUR LINE CAPACITY

COST /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 10%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN SMILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

	#								
4	: IDENTIFICATION :	SITE		CUST		SIGMA		RISK(%)	1
	: CASE NO. 41 :: : (75/25/100) :: : TEN YR PROD= 2430::	NEWPORI HAWTHORNE MC ALESTER		853.28 1110.03 820.41	:	31.68 42.95 29.87	:	22.5	1
	: CASE NO. 42 :: : (75/ 25/ 75) :: : TEN YR PROD= 2160::	NEWPORT HAWTHORNE MC ALESTER		834.74 1089.22 801.49	:	31.55 42.84 29.73		22.2	1 1
	: CASE NO. 43 :: : (75/25/50) :: : TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER		816.19 1068.41 782.57	:	31.43 42.73 29.60	:	21.8	
	: CASE NO. 44 :: : (75/ 25/ 25) :: : TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER		797.64 1047.61 763.65	:	31,32 42.64 29.48	:	21.5 0.0	1
	: CASE NO. 45 :: : (75/25/0) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER		779.09 1026.80 744.73	:	31.22 42.56 29.38	3	21.1	:
	: CASE NO. 46 :: : (75/ 0/100/ :: : TEN YR PROD= 2160::	NEWPORT HAWTHORNE MC ALESTER		828.60 1082.33 795.23	:	31.51 42.80 29.69	1 1	22.0	:
	: CASE NO. 4/ :: : (75/ 0/ 75) :: : TEN YR PROD= 1890::	NEWPORT HAWTHORNE MC ALESTER		810.05 1061.53 776.31	:	31.39 42.70 29.56	1	21.7	:
	: CASE NO. 40 :: : (75/ 0/50) :: : TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER	1	791.50 1040.72 757.39	:	31.29 42.61 29.45	1 1	21.4	:
	: CASE NO. 47 :: : (75/ 0/ 25) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER		/72.95 1019.91 738.47	:	31.19 42.53 29.34	1	21.0	1
	: CASE NO. 50 :: : (75/ 0/ 0) :: : TEN YR PROD= 1080::	HAWTHORNE		/54.40 999.11 719.55	:	31.11 42.46 29.25	:	20.7	:

RDX - HMX SITE SELECTION FUUR LINE CAPACITY

COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST= 10%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%
(COST IN \$MILLION DISCOUNTED AT 10%)
(QUANTITIES IN MILLIONS OF LBS.)

: IDENTIFICATION :	SITE	1	cost		SIGMA	:	RISK(%)	*
: CASE NO. 51 :: : (50/100/100) :: : TEN YR PROD= 2880::		:	881.27 1141.42 848.96	:	31.90 43.13 30.10	1	23.1	:
: CASE NO. 52 :: : (50/100/75) :: : TEN YR PROD= 2610::	NEWPORT HAWTHORNE MC ALESTER	:	862.72 1120.62 830.04	1 1	31.75 43.01 29.95	:	22.7	:
1 CASE NO. 53 11 1 (50/100/ 50) 11 1 TEN YR PROD= 2340:1	NEWPORT HAWTHORNE MC ALESTER	:	844.18 1099.81 811.12	:	31.62 42.89 29.80	:	22.3	:
: CASE NO. 54 :: : (50/100/ 25) :: : TEN YR PROD= 2070::	NEWPORT HAWTHORNE MC ALESTER	:	825.63 1079.00 792.20	:	31.49 42.78 29.67	1	22.0	:
: CASE NO. 55 :: : (50/100/ 0) :: : TEN YR PROD= 1800::	NEWPORT HAWTHORNE MC ALESTER	:	507.08 1058.20 773.28	:	31.38 42.69 29.54	1	21.6	:
: CASE NO. 50 :: : (50/75/100) :: : TEN YR PROD= 2610::	NEWPORT HAWTHORNE MC ALESTER		856.58 1113.73 823.78	;	31./1 42.97 29.90	1	22.6	1
: CASE NO. 57 :: : (50/75/75) :: : TEM YR PROD= 2340::	NEWPORT HAWTHORNE MC ALESTER	1 1	838.04 1092.92 804.86	:	31.57 42.85 29.76	1 1	22.2	:
1 CASE NO. 50 :1 1 (50/75/50) :1 1 TEN YR PROD= 2070:1	NEWPORT HAWTHORNE MC, ALESTER	: :	819.49 1072.12 785.94	2 - 2 2	31.45 42.75 29.63	î î	21.9	1
: CASE NO. 59 :: : (50/75/25) :: : TEN YR PROD= 1800::	NEWPORT HAWTHORNE MC ALESTER	:	000.94 1051.31 767.02	1	31.34 42.66 29.51	:	21.5 0.0	1
: CASE NO. 60 :: : (50/75/0) :: : TEN YR PROD= 1530::	NEWPORT HAWTHORNE MC ALESTER	1	782.39 1030.50 748.10	1 1	31.24 42.57 29.40	:	21.2	:

RDX - HMX SITE SELECTION FOUR LINE CAPACITY

COST /SENSITIVITY /RISK
INCREASE IN NEWFORT AAP COSTS
CONST= 10%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%
(COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

* •									
1	IDENTIFICATION 1	SITE	1	COST	1	SIGMA	1	RISK (%)	1
1	CASE NO. 61 :: (50/50/100) :: TEN YR PROD= 2340::	NEWPORT HAWTHORNE MC ALESTER		831.90 1086.03 798.60	:	31.53 42.82 29.71	:	22.1	1
	CASE NO. 62 :1 (50/ 50/ 75) :1 TEN YR PROD= 2070:1	NEWPORT HAWTHORNE MC ALESTER	1	813.35 1065.23 779.67	1 8	31.41 42.72 29.58	:	21.8	1
1	CASE NO. 63 :: (50/50/50) :: TEN YR PROD= 1800::	NEWPORT HAWTHORNE MC ALESTER	:	794.80 1044.42 760.75	:	31.31 42.63 29.47	8 8	21.4	:
	CASE NO. 64 :1 (50/50/25) :1 TEN YR PROD= 1530:1	NEWPORT HAWTHORNE MC ALESTER	1 1 :	776.25 1023.61 741.83	:	31.21 42.54 29.36	2 2 3	21.1	1
1	CASE NO. 65 (50/ 50/ 0) (TEN YR PROD= 1260;	NEWPORT HAWTHORNE MC ALESTER	1	757.70 1002.81 722.91	:	31.12 42.47 29.27	:	20.8	1
1	CASE NO. 66 : (50/ 25/100) : TEN YR PROD= 2070:	NEWPORT HAWTHORNE MC ALESTER	:	807.21 1058.34 773.41	:	31.38 42.69 29.54	1	21.6	1
	CASE NO. 67 11 (50/25/75) 11 TEN YR PROD= 1800:1	NEWPORT HAWTHORNE MC ALESTER	:	788.06 1037.53 754.49	: :	31.27 42.60 29.43		21.3 0.0	1
	CASE NO. 68 11 (50/ 25/ 50) 11 TEN YR PROD= 1530:1	NEWPORT HAWTHORNE MC ALESTER	:	770.11 1016.73 735.57	1 1	31.18 42.52 29.33	; ;	21.0 0.0	:
1	CASE NO. 67 (50/ 25/ 25) (50/ 25/ 25) (TEN YR PROD= 1260)	NEWPORT HAWTHORNE MC ALESTER	1	751.56 995.92 716.65	1	31.10 42.45 29.24	:	20.7	1
1 1	CASE NO. 70 :: (50/25/0) :: TEN YR PROD= 990::	NEWPORT HAWTHORNE MC ALESTER	i	733.02 975.11 697.73	1	31.02 42.38 29.16	: :	20.4	:
	(50/25/25)	NEWPORT HAWTHORNE MC ALESTER NEWPORT HAWTHORNE	\$ \$ \$	751.56 995.92 716.65 733.02 975.11	\$ \$ \$ \$	31.10 42.45 29.24 31.02 42.38		20-4	

RDX - HMX SITE SELECTION

FOUR LINE CAPACITY

COST /SENSITIVITY / RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 10%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

8	IDENTIFICATION :	SITE	1	COST	ŧ	SIGMA	1	RISK(%)
-	CASE NO. 71 :: (50/ 0/100) :: TEN YR PROD= 1800::	NEWPORT HAWTHORNE MC ALESTER		782.52 1030.65 748.23	:	31.24 42.57 29.40	:	21.2
	CASE NO. 72 :: (50/ 0/ 75) :: TEN YR PROD= 1530::	NEWPORT HAWTHORNE MC ALESTER	:	763.97 1009.84 -729.31	:	31,15 42,49 29,30		20.9
8	CASE NO. 73 :: (50/ 0/ 50) :: TEN YR PROD= 1260::	NEWPORT HAWTHORNE MC ALESTER	:	745.42 989.03 710.39	:	31.07 42.42 29.21	: :	20.6
	CASE NO. 74 11 (50/ 0/ 25) 11 TEN YR PROD= 99011	NEWPORT HAWTHORNE MC ALESTER	1 1	726.88 968.23 691.47	:	31.00 42.37 29.14	:	20.3
8	CASE NO. 75 11 (50/ 0/ 0) 11 TEN YR PROD= 72011	NEWPORT HAWTHORNE MC ALESTER	1 1	708.33 947.42 672.55	:	30.94 42.32 29.07	8	20.0
8	CASE NO. 76 :: (25/100/100) :: TEN YR PROD= 2520::	NEWPORT HAWTHORNE MC ALESTER	: :	835.20 1089.74 801.96	:	31.55 42.64 29.74	:	22.2 0.0
8	CASE NO. 7/ :: (25/100/ 75) :: TEN YR PROD= 2250::	NEWPORT HAWTHORNE MC ALESTER	:	816.65 1068.93 783.04	;	31.44 42.74 29.61	:	21.8
	CASE NO. 78 :: (25/100/ 50) :: TEN YR PROD= 1980::	NEWPORT HAWTHORNE MC ALESTER	:	798.10 1048.12 764.12	:	31.33 42.64 29.49	:	21.5 0.0
	CASE NO. 79 :: (25/100/ 25) :: TEN YR PROD= 1710::	NEWPORT HAWTHORNE MC ALESTER	:	779.55 1027.32 745.20	:	31.23 42.56 29.38	:	21.2
8	CASE NO. 80 :: (25/100/ 0) :: TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER	:	761.00 1006.51 726.28	:	31.14 42.48 29.28	i i	20.8

RDX - HMX SITE SELECTION FUUR LINE CAPACITY

COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST= 10%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%
(COST IN SMILLION DISCOUNTED AT 10%)
(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION	II SITE	1	COST		SIGMA	1	RISK(%)
011 15 100	NEWPOR! HAWTHORNE O: MC ALESTER		810.51 1062.04 776.78	:	31.40 42.70 29.57	1	21.7
CASE NO. 82 (25/ 75/ 75) TEN YR PROD= 198	NEWPORT HAWTHORNE HC ALESTER	:	791.96 1041.24 757.86	:	31.29 42.61 29.45	:	21.4
CASE NO. 83 (25/ 75/ 50) TEN YR PROD= 171	NEWPORT HAWTHORNE HAWTHORNE	:	773.41 1020.43 738.94	:	31.20 42.53 29.35	1	21.0
CASE NO. 84 (25/ 75/ 25) TEN YR PROD= 144	NEWPORT HAWTHORNE HC ALESTER	:	754.86 999.62 720.02	:	31.11 42.46 29.25	: :	20.7
CASE NO. 85 (25/ 75/ 0) TEN YR PRON= 117	NEWPORT HAWTHORNE HAWTHORNE	:	736.32 978.82 701.10	:	31.04 42.39 29.17	:	20.4
	NEWPORT HAWTHORNE HO ALESTER	:	785.82 1034.35 751.60	:	31.26 42.58 29.42	;	21.3
	:: NEWPORT :: HAWTHORNE 0:: MC ALESTER	:	767.27 1013.54 732.68	:	31.17 42.51 29.32	:	20.9
CASE NO. 88 (25/ 50/ 50) TEN YR PROD= 144	:: NEWPORT :: HAWTHORNE 0:: MC ALESTER	:	748.72 992.74 713.75	:	31.08 42.44 29.23	:	20.6
CASE NO. 89 (25/ 50/ 25) TEN YR PROD= 117	NEWPORT HAWTHORNE CONTROL NC ALESTER	1 1	730.18 971.93 694.83	: 8 8	31.01 42.38 29.15	:	20.3
CASE NO. 90 (25/ 50/ 0) TEN YR PROD= 90	:: NEWPORT :: HAWTHORNE 0:: MC ALESTER	:	711.63 951.12 675.91	:	30.95 42.32 29.08	:	20.0

RDX - HMX SITE SELECTION FOUR LINE CAPACITY

COST /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 10%, MTLS= 0% UTLS= 0%, LBR= 0%, YRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

: IDENTIFICATION :	SITE	1	COST		SIGMA	:	RISK(%)	*
: CASE NO. 91 :: : (25/25/100) :: : TEN YR PROD= 1710::	NEWPOR! HAWTHORNE	:	761.13 1006.66 726.41	:	31.14 42.48 29.28	:	20.8	
: CASE NO. 92 :: : (25/25/75) :: : TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER	: :	742.58 985.85 707.49	:	31.06 42.42 29.20	:	20.5	:
CASE NO. 93 :: : (25/25/50) :: : TEN YR PROD= 1170::	NEWPORT HAWTHORNE MC ALESTER	:	724.04 965.04 688.57		30.99 42.36 29.13		20 • 2 0 • 0	:
: CASE NO. 94 :: : (25/25/25) :: : TEN YR PROD= 900::	NEWPORT HAWTHORNE MC ALESTER	:	705.49 944.24 669.65	:	30.93 42.31 29.06	:	19.9 0.0	:
: CASE NO. 95 :: : (25/25/0) :: : TEN YR PROD= 630::	NEWPORT HAWTHORNE MC ALESTER	:	686.94 923.43 650.73	:	30.89 42.27 29.01	:	19.6	:
: CASE NO. 96 :: : (25/ 0/100) :: : TEN YR PROD= 1440::	NEWPORT HAWTHORNE MC ALESTER	:	736.45 978.96 701.23	:	31.04 42.40 29.17	:	20.4	:
: CASE NO. 97 :: : (25/ 0/75) :: : TEN YR PROD= 1170::	NEWPORT HAWTHORNE MC ALESTER	:	717.90 958.16 682.31	:	30.97 42.34 29.10	1	20.1 0.0	:
: CASE NO. 98 :: : (25/ 0/50) :: : TEN YR PROD= 900::	NEWPORT HAWTHORNE MC ALESTER	:	699.35 937.35 663.39	:	30.92 42.29 29.05	:	19.8	:
: CASE NO. 94 :: : (25/ 0/ 25) :: : TEN YR PROD= 630::	NEWPORT HAWTHORNE MC ALESTER	:	680.80 916.54 644.47	:	30.87 42.26 29.00	î	19.6 0.0	:
: CASE NO. 100 :: : (25/ 0/ 0) :: : TEN YR PROD= 360::	NEWPORT HAWTHORNE MC ALESTER	:	662.25 895.74 625.55	:	30.04 42.23 28.96	:	19.3	:

RDX - HMX SITE SELECTION FOUR LINE CAPACITY

COST /SENSITIVITY /MISK
INCREASE IN NEWPORT AAP COSTS
CONST= 10%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%
(COST IN \$MILLION DISCOUNTED AT 10%)
(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION :	SITE	:	cost	1	SIGMA	1	RISK(%)
	NEWPORT HAWTHORNE MC ALESTER		789.12 1038.05 754.96	:	31.28 42.60 29.43	:	21.3
CASE NO. 102 :1 (0/100/ 75) :1 TEN YR PROD= 1890:1	NEWPORT HAWTHORNE MC ALESTER	1	/70.57 1017.24 736.04	:	31.18 42.52 29.33	:	21.0
CASE NO. 103 :: (0/100/ 50) :: TEN YR PROD= 1620::	NEWPORT HAWTHORNE MC ALESTER		752.02 996.44 717.12	3	31.10 42.45 29.24	:	20.7
	NEWPORT HAWTHORNE MC ALESTER	:	733.48 975.63 698.20	:	31.02 42.39 29.16	:	20.4
	NEWPORT HAWTHORNE MC ALESTER	2 2 3	714.93 954.83 679.28	:	30.96 42.33 29.09	3 3 3	20 · 1 0 · 0
CASE NO. 106 :: (0/ 75/100) :: TEN YR PROD= 1890::		:	/64.43 1010.36 729.78	:	31.15 42.49 29.30		20.9
CASE NO. 107 : (0/ 75/ 75! TEN YR PROD= 1620:	NEWPORT HAWTHORNE MC ALESTER	:	745.89 989.55 710.86	:	31.07 42.43 29.21	:	20.6
CASE NO. 108 :: (0/ 75/ 50) :: TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	:	727.34 968.74 691.94	:	31.00 42.37 29.14	:	20.3
CASE NO. 107 :: (0/ 75/ 25) :: TEN YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER	:	/08./9 947.94 673.02	:	30.94 42.32 29.07	:	20.0
CASE NO. 110 :: (0/ 75/ 0) :: TEN YR PROD= 810::	HAWTHORNE	:	690.24 927.13 654.10	:	30.90 42.28 29.02	:	19.7

RDX - HMX SITE SELECTION FUUR LINE CAPACITY

COSI /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 10%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

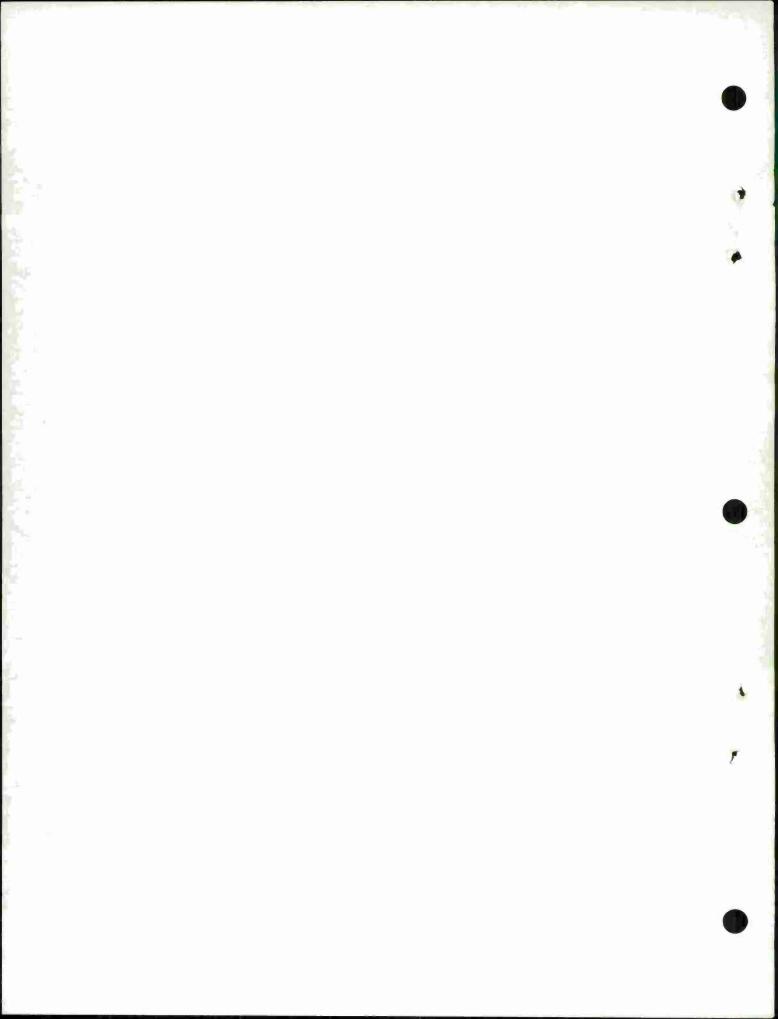
(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

*								
I IDENTIFICATION :	SITE	•	COST		SIGMA	*	RISK(%)	1
: CASE NO. 111 :: : (0/ 50/100) :: : TEN YR PROD= 1620::		:	739.75 982.66 704.60	:	31.05 42.41 29.19		20.5	:
: CASE NO. 112 :: : (0/50/75) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	:	721.20 961.86 685.68	:	30.98 42.35 29.12	:	20.2	:
: CASE NO. 113 :: : (0/50/50) :: : TEN YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER	:	702.65 941.05 666.75	:	30.93 42.30 29.05		19.9	:
: CASE NO. 114 :: : (0/ 50/ 25) :: : TEN YR PROD= 810:	NEWPORT HAWTHORNE MC ALESTER		684.10 920.24 647.83	8	30.08 42.26 29.01	:	19.6	:
: CASE NO. 115 :: : (0/ 50/ 0) :: : TEN YR PROD= 540::	NEWPORT HAWTHORNE MC ALESTER	:	665.55 899.44 628.91	\$ \$ \$	30.05 42.24 28.97	* * * * * * * * * * * * * * * * * * * *	19.3	
: CASE NO. 116 :: : (0/ 25/100) :: : TEN YR PROD= 1350::	NEWPORT HAWTHORNE MC ALESTER	:	715.06 954.97 679.41	:	30.96 42.33 29.09	:	20 • 1	:
: CASE NO. 117 :: : (0/ 25/ 75) :: : TEM YR PROD= 1080::	NEWPORT HAWTHORNE MC ALESTER	:	696.51 934.16 660.49	:	30.91 42.29 29.04	:	19.8	:
: CASE NO. 118 :: : (0/25/50) :: : TEN YR PROD= 810::	NEWPORT HAWTHORNE MC ALESTER	:	677.96 913.36 641.57	\$ \$ \$	30.87 42.25 28.99	:	19.5	:
: CASE NO. 119 :: : (0/ 25/ 25) :: : TEN YR PROD= 540::	NEWPORT HAWTHORNE MC ALESTER	:	659.41 892.55 622.65	\$ \$ \$	30.84 42.23 28.96	:	19.2	:
: CASE NO. 120 :: : (0/25/ 0) :: : TEN YR PROD= 270::	NEWPORT HAWTHORNE MC ALESTER	:	640.87 871.74 603.73	\$ \$ \$	30.82 42.21 28.94	:	19.0	:

RDX - HMX SITE SELECTION FOUR LINE CAPACITY COSI /SENSITIVITY /RISK INCREASE IN NEWPORT AAP COSTS CONST= 10%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0% (COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

}	IDENTIFICATION	1 1	SITE	1	COST	:	SIGMA	1	RISK(%)	
	CASE NO. 121	::	NEWPORT		690.37		30.90		19.7	
	(0/ 0/100)	-				1		:	0.0	
	TEN YR PRODE 1					1	29.02	3	****	
-	CASE NO. 122	1:	NEWPORT	:	671.82	;	30.86	:	19.4	
	(0/ 0/ 75)	1.1	HAWTHORNE	2	906.47	1	42.24	1	0.0	
	TEN YR PROD=	810::	MC ALESTER	:	635.31	1	28.98	\$	***	
-	CASE NO. 123	17	NEWPORT	:	653.27		30.03	:	19.2	-
	(0/ 0/ 50)	-		.000	885.66		42.22	-	0.0	
	TEM YR PROD=				616.39	1	28.95		****	
-	CASE NO. 124	; ;	NEWPORT	:	634.73	1	30.01	:	18.9	
	(0/ 0/ 25)	1 1	HAWTHORNE	1	864.86	1	42.21	2	0.0	
	TEN YR PROD=			2	597.47	2	28.93	1	***	
-										
	CASE NO. 125	1.1	NEWPORT		616.18	2	30.01		18.7	
	(0/ 0/ 0)	2 8	HAWTHORNE	1	844.05	2	42.20	9	0 • 0	
,	TEN YR PROD=	0::	MC ALESTER		578.55	2	28.93	2		



SUPPLEMENTARY RDX/HMX SITE SELECTION FUUR LINE CAPACITY

COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%
(COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION	:: SITE	cost	: SIGMA	RISK(%)
		917.41 805.83 942.96		0.0
	NEWPORT HTF HC ALESTER	390.86 789.40 924.04	: 26.47	0.3
CASE NO. 3 (100/100/ 50) TEN YR PROD= 3060	:: NEWPORT :: MTF):: MC ALESTER	: 880.31 : 772.97 : 905.12		0.3 1 **** 1 0.1
CASE NO. 4 (100/100/ 25) TEM YR PROD= 2790	:: NEWPORT :: MTF):: MC ALESTER	: 861.76 : 756.55 : 886.20	: 26.07	0 · 4 1
	NEWPORT HTF HC ALESTER	843.21 740.12 867.28	25.89	0 · 4 1 · • • • • 1 · 0 · 1
	:: NEWPORT :: MTF):: MC ALESTER	592.72 783.96 917.78	26.41	0.3
CASE NO. 7 (100/ 75/ 75) TEM YR PROD= 3060	:: MTF	874.17 767.54 898.86	: 26.20	0 • 4
	:: NEWPORT :: MTF):: MC ALESTER	855.62 751.11 879.94	26.01	0 · 4 2 • • • • • 2 0 · 1
CASE NO. 9 (100/ 75/ 25) TEN YR PROD= 2520	## MTF	: 837.07 : 734.69 : 861.02	: 25.83	0 · 4 : ••••• : 0 · 1
CASE NO. 10 (100/ 75/ 0) TEN YR PROD= 2250	:: NEWPORT :: MTF):: MC ALESTER	: 818.53 : 718.26 : 842.10	: 25.66	0 • 5 • • • • • • • • • • • • • • • • • •

SUPPLEMENTARY ROX/HMX SITE SELECTION FUUR LINE CAPACITY COST /SENSITIVITY /HISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 0%, LBP= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

*				
: IDENTIFICATION ::	SITE	CUST	SIGMA	RISK(%)
: CASE NO. 11	NEWPOR!	868.03	: 29.60	0 • 4
: (100/ 50/100)	MTF	762.10	: 26.14	
: TEN YR PROD= 3060:	MC ALESTER	892.59	: 30.50	
: CASE NO. 12 ::	NEWPORT	849.48	29.42	0 · 4
: (100/ 50/ 75) ::	MTF	745.68	25.95	: *****
: TEN YR PROD= 2790::	MC ALESTER	873.67	30.32	: 0 · 1
: CASE NO. 13 ::	NEWPORT	: 830.93	29.25	0.5
: (100/ 50/ 50) ::	MTF	: 729.25	25.77	
: TEN YR PROD= 2520::	MC ALESIER	: 854.75	30.15	
: CASE NO. 14 ::	MTF	812.39	29.09	: 0.5
: (100/ 50/ 25) ::		712.82	25.60	: ****
: TEN YR PROD= 2250::		835.83	30.00	: 0.1
: CASE NO. 15 :: : (100/50/0) :: : TEN YR PROD= 1980::	NEWPORT MTF MC ALESTER	: /93.84 : 696.40 : 816.91	: 28.94 : 25.45 : 29.85	0.6 : *****
: CASE NO. 16 ::		: 843.34	: 29.36	0 · 4
: (100/ 25/100) ::		: 740.24	: 25.89	: *****
: TEN YR PROD= 2790::		: 867.41	: 30.27	: 0 · 1
: CASE NO. 17 ::	NEWPORT	: 824.79	: 29.20	0.5
: (100/ 25/ 75) ::	MTF	: 723.81	: 25.71	
: TEN YR PROD= 2520::	MC ALESTER	: 848.49	: 30.10	
: CASE NO. 18 :: : (100/ 25/ 50) :: : TEN YR PROD= 2250::	MTF	: 806.25 · : 707.39 : 829.57	29.04 25.55 29.94	0 • 5 • • • • • • • • • • • • • • • • • • •
: CASE NO. 17 ::	NEWPORT	: 690.96	: 28.89	0.6
: (100/ 25/ 25) ::	MTF		: 25.40	* *****
: TEN YR PROD= 1980::	MC ALESTER		: 29.80	* 0.1
: CASE NO. 20 :: : (100/ 25/ 0) :: : TEN YR PROD= 1710::		1 674.54	: 28.75 : 25.25 : 29.66	0 · 7 : **** : 0 · 1

SUPPLEMENTARY ROX/HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /KISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 0%, L6R= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

#								
: IDENTIFICATION ::	SITE	•	CUST	*	SIGMA	:	RISK(%)	1
: CASE NO. 21 :: : (100/ 0/100) :: : TEN YR PROD= 2520::	NEWPORI MTF MC ALESTER	:	818.66 718.38 842.23	:	29.14 25.66 30.05	:	0 • 5 *****	:
: CASE NO. 22 :: : (100/ 0/ 75) :: : TEN YR PROD= 2250::		:	800.11 701.95 823.31	:	28.99 25.50 29.90	:	0.6 **** 0.1	:
: CASE NO. 23 :: : (100/ 0/ 50) :: : TEN YR PROD= 1980::		:	781.56 685.52 804.39	:	28.84 25.35 29.75	:	0.6	:
: CASE NO. 24 :: : (100/ 0/25) :: : TEM YR PROD= 1710::	NEWPORT MTF MC ALESTER	:	763.01 669.10 785.47	* * * * * * * * * * * * * * * * * * * *	28.71 25.21 29.62	:	0.7	:
: CASE NO. 25 :: : (100/ 0/ 0) :: : TEM YR PRODE 1440::		:	744.46 652.67 766.55	\$	28.59 25.08 29.50	:	0.8	:
: CASE NO. 26 :: : (75/100/100) :: : TEN YR PROD= 3240::	NEWPORT MTF MC ALESTER	:	871.33 765.02 895.96	:	29.64 26.17 30.54	:	0 • 4 ***** 0 • 1	1 1
: CASE NO. 27 :: : (75/100/ 75) :: : TEN YR PROD= 2970::	NEWPORT MTF MC ALESTER	:	852.78 748.60 877.04	8 1	29.45 25.98 30.36	:	0.4	:
: CASE NO. 28 :: : (75/100/50) :: : TEN YR PROD= 2700:	NEWPORT MTF MC ALESTER	:	834.23 732.17 858.12	:	29.28 25.80 30.18	:	0 • 4	:
: CASE NO. 29 :: : (75/100/ 25) :: : TEM YR PROD= 2430::	NEWPORT MTF MC ALESTER	:	815.69 715.75 839.20		29.12 25.63 30.02	:	0.5	:
: CASE NO. 30 :: : (75/100/ 0) :: : TEN YR PROD= 2160::		:	(91.14 699.32 820.28	;	28.96 25.47 29.87	:	0.6 *****	:

SUPPLEMENTARY ROX/HMX SITE SELECTION FUUR LINE CAPACITY

COST /SENSITIVITY /HISK
INCREASE IN NEWPOHT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AY 10%)

(QUANTITIES IN MILLIONS OF LBS.)

: IDENTIFICATION: ::	SITE	:	COST	:	SIGMA	:	RISK(%)	#
: CASE NO. 31 :: : (75/75/100) :: : TEN YR PROD= 2970::	NEWPORI MTF MC ALESTER	:	846.64 743.16 870.78	:	29.39 25.92 30.30	:	0.4	:
: CASE NO. 32 :: : (75/75/75) :: : TEN YR PROD= 2700::	NEWPORT MTF MC ALESTER	:	828.09 726.74 851.86	:	29.22 25.74 30.13	:	0.5 ***** 0.1	:
: CASE NO. 33 :: : (75/75/50) :: : TEN YR PROD= 2430::	NEWPORT MTF MC ALESTER	:	009.55 710.31 832.94	:	29.07 25.58 29.97	:	0.5 ***** 0.1	:
: CASE NO. 34 :: : (75/75/25) :: : TEN YR PROD= 2160::	NEWPORT MTF MC ALESTER	:	791.00 693.88 814.02	:	28.92 25.42 29.82	:	0.6 **** 0.1	:
: CASE NO. 35 :: : (75/75/0) :: : TEN YR PROD= 1890::	NEWPORT MTF MC ALESTER	:	772.45 677.46 795.10	*	28.78 25.28 29.69	2 2	0 • 7 • • • • • 0 • 1	:
: CASE NO. 36 :: : (75/50/100) :: : TEN YR PROD= 2700:	NEWPORT MTF MC ALESTER		821.96 721.30 845.59		29.1 / 25.69 30.08	:	0.5	:
: CASE NO. 37 :: : (75/50/75) :: : TEN YR PROD= 2430::	NEWPORT MTF MC ALESTER	:	803.41 704.87 826.67	:	29.01 25.53 29.92	:	0 • 5 • • • • • • • • • • • 1	:
: CASE NO. 30 :: : (75/50/50) :: : TEN YR PROD= 2160::	NEWPORT MTF MC ALESTER	:	784.86 688.45 807.75	:	28.01 25.37 29.78	:	0 • 6	:
: CASE NO. 37 :: : (75/50/25) :: : TEN YR PROD= 1890::	NEWPORT MIF MC ALESTER	:	766.31 672.02 788.83	:	28.73 25.23 29.65		0.7 **** 0.1	:
: CASE NO. 40 :: : (75/ 50/ 0) :: : TEN YR PROD= 1620::		:	747.76 655.60 769.91	:	28.61 25.10 29.52	:	0 • 8 • • • • • 0 • 2	:

SUPPLEMENTARY ROX/HMX SITE SELECTION FOUR LINE CAPACITY COSI /SENSITIVITY /HISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION ::	SITE	1	CUST	1	SIGMA	į	RISK(%)	
CASE NO. 41 :: (75/ 25/100) :: TEN YR PROD= 2430::	NEWPORT MTF MC ALESTER		797.27 699.44 820.41	:	28.97 25.47 29.87	:	0.6	• •
CASE NO. 42 :: (75/ 25/ 75) :: TEN YR PROD= 2160::	NEWPORT MTF MC ALESTER	:	778./2 683.01 801.49	:	28.82 25.33 29.73	: :	0.6 ***** 0.1	
CASE NO. 43 :: (75/ 25/ 50) :: TEN YR PROD= 1890::	NEWPORT MTF MC ALESTER	:	760.17 666.58 782.57	:	28.69 25.19 29.60	:	0.7	
CASE NO. 44 :: (75/ 25/ 25] :: TEN YR PROD= 1620::	NEWPORT MTF MC ALESTER	:	741.62 650.16 763.65	:	28.5 <i>!</i> 25.06 29.48	:	0.8	
CASE NO. 45 :: (75/ 25/ 0) :: TEN YR PROD= 1350::	NEWPORT MTF MC ALESTER	:	/23.07 633.73 744.73	:	28.46 24.95 29.38	:	0.9	
CASE NO. 46 :: (75/ 0/100) :: TEN YR PROD= 2160::		:	772.58 677.57 795.23	:	28.78 25.28 29.69	:	0 • 7	
CASE NO. 47 :: (75/ 0/ 75) :: TEN YR PROD= 1890::		:	754.03 661.15 776.31	:	28.65 25.15 29.56	:	0.7 **** 0.2	
CASE NO. 48 :: (75/ 0/ 50) :: TEN YH PROD= 1620::	NEWPORT MTF MC ALESTER	:	735.48 644.72 757.39	:	28.54 25.03 29.45	:	0.8	
CASE NO. 49 :: (75/ 0/ 25) :: TEN YR PROD= 1350:	NEWPORT MTF MC. ALESTER	:	716.94 628.30 738.47	:	28.43 24.92 29.34	:	1.0	-
CASE NO. 50 :: (75/ 0/ 0) :: TEN YR PROD= 1080::	MTF	:	698.39 611.87 719.55	:	28.34 24.82 29.25	:	1 • 1	

SUPPLEMENTARY ROX/HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /HISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN SMILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION ::	SITE	:	CUST		SIGMA	8	RISK(%)	
CASE NO. 51 :: (50/100/100) :: TEN YR PROD= 2880::	NEWPORL MTF MC ALESTER	:	825.26 /24.22 848.96	:	29.20 25.72 30.10	:	0.5	• •
CASE NO. 52 :: (50/100/ 75) :: TEN YR PROD= 2610::	NEWPORT MTF MC ALESTER	:	806.71 707.80 830.04	:	29.04 25.55 29.95	:	0.5 **** 0.1	
CASE NO. 53 :: (50/100/ 50) :: TEN YR PROD= 2340::	NEWPORT MTF MC ALESTER	:	788.16 691.37 811.12	:	28.89 25.40 29.80	:	0.6	
CASE NO. 54 :: (50/100/ 25) :: TEN YR PROD= 2070::	NEWPORT MTF MC ALESTER		/69.61 674.94 792.20	:	25.26 25.26 29.67	:	0 • 7 • • • • • 0 • 1	
CASE NO. 55 :: (50/100/ 0) :: TEN YR PROD= 1800::	NEWPORT MTF MC ALESTER	:	751.06 658.52 773.28	:	28.63 25.13 29.54		0.8	
CASE NO. 56 :: (50/75/100) :: TEN YR PROD= 2610:	NEWPORT MTF MC ALESTER	:	500.57 702.36 823.78	:	28.99 25.50 29.90	:	0.5 **** 0.1	
CASE NO. 57 :: (50/75/75) :: TEN YR PROD= 2340::	NEWPORT MTF MC ALESTER	:	782.02 685.93 804.86	:	28.85 25.35 29.76	:	0.6	
CASE NO. 58 :: (50/75/50) :: TEN YR PROD= 2070::	NEWPORT MTF MC ALESTER	:	763.47 669.51 785.94	:	28.71 25.21 29.63	:	0 • 7 • • • • • 0 • 1	
CASE NO. 59 :: (50/75/25) :: TEN YR PROD= 1800::	NEWPORT MTF MC ALESTER	:	/44.92 653.08 767.02	:	28.59 25.09 29.51	:	0.8	
CASE NO. 60 :: (50/75/0) :: TEM YR PROD= 1530::	NEWPORT MTF MC ALESTER	:	726.38 636.66 748.10	:	28.48 24.97 29.40	:	0.9	

SUPPLEMENTARY ROX/HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /RISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

: IDENTIFICATION ::	SITE		CUST		SIGMA	:	RISK(%)	
CASE NO. 61 :: : (50/50/100) :: : TEN YR PROD= 2340::	NEWPOR! MTF	:	775.88 680.50 798.60	:	28.80 25.30 29.71	:	0.6	:
: CASE NO. 62 :1 : (50/50/75) :: : TEN YR PROD= 2070::	NEWPORT MTF MC ALESTER	:	757.33 664.07 779.67	:	28.67 25.17 29.58	:	0 • 7 • • • • • 0 • 1	:
: CASE NO. 63 :: : (50/50/50) :: : TEN YR PROD= 1800::	NEWPORT MTF MC ALESTER	:	/38./8 647.64 760.75	:	28.56 25.05 29.47	:	0.8	1
: CASE NO. 64 :: : (50/50/25) :: : TEN YR PROD= 1530::		:	720.24 631.22 741.83	:	28.45 24.93 29.36	:	0.9	:
: CASE NO. 65 :: : (50/50/0) :: : TEM YR PROD= 1260::	MTF	:	701.69 614.79 722.91	:	28.35 24.83 29.27	:	1.1	:
: CASE NO. 66 ;: : (50/25/100) ;: : TEN YR PROD= 2070::	MTF	:	751.19 658.63 773.41	:	28.63 25.13 29.54	:	0.8	:
: CASE NO. 67 :: : (50/25/75) :: : TEN YR PROD= 1800::	MTF	:	732.64 642.21 754.49	:	28.52 25.01 29.43	:	0.9	1
: CASE NO. 68 :: : (50/25/50) :: : TEM YR PROD= 1530::	MTF	:	714.10 625.78 735.57	:	28.42 24.90 29.33	:	1.0	:
: CASE NO. 69 :: : (50/25/25) :: : TEN YR PROD= 1260:	NEWPORT MTF MC ALESTER	:	695.55 609.36 716.65	:	28.32 24.80 29.24	:	1 • 1 • • • • • 0 • 3	:
: CASE NO. 70 :: : (50/25/0) :: : TEN YR PROD= 990::	MTF	:	677.00 592.93 697.73	:	28.24 24.72 29.16	:	1.3	:

SUPPLEMENTARY RDX/HMX SITE SELECTION FOUR LINE CAPACITY

COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS
CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%
(COST IN \$MILLION DISCOUNTED AT 10%)
(QUANTITIES IN MILLIONS OF LBS.)

4									#
1	IDENTIFICATION ::	SITE	:	CUST		SIGMA		RISK(%)	\$
	CASE NO. 71 :: (50/ 0/100) :: TEN YR PROD= 1800::	MC ALESTER	:	726.50 636.77 748.23	:	28.48 24.97 29.40	. 1	0.9	:
	CASE NO. 72 ::	NEWPORT MTF	:	707.96 620.35 729.31	\$ \$ \$	28.38 24.87 29.30	:	1.0	:
	CASE NO. 73 :: (50/ 0/50) :: TEN YR PROD= 1260::	NEWPORT MTF MC ALESTER	:	689.41 603.92 710.39		28.30 24.77 29.21		1.2	:
-	TEN YR PROD= 990::	MTF	:	670.86 587.49 691.47	*	28.22 24.69 29.14		1.3	:
	CASE NO. 75 :: (50/ 0/ 0) :: TEN YR PROD= 720::	MTF	:	652.31 571.07 672.55	:	28.15 24.63 29.07		1.5	:
	CASE NO. 76 :: (25/100/100) :: TEN YR PROD= 2520::	MTF	:	779.18 683.42 801.96	:	28.83 25.33 29.74	:	0.6	:
	CASE NO. 77 :: (25/100/ 75) :: TEN YR PROD= 2250::	MTF	:	760.63 666.99 783.04	:	28.70 25.19 29.61		0.7	:
	CASE NO. 78 :: (25/100/ 50) :: TEN YR PROD= 1980::	MTF	:	742.08 650.57 764.12	:	28.58 25.07 29.49	:	0.8	:
	CASE NO. 79 :: (25/100/ 25) :: TEN YR PROD= 1710::	MTF	:	723.54 634.14 745.20	:	20.47 24.95 29.38	:	0.9	:
	CASE NO. 80 :: (25/100/ 0) :: TEN YR PROD= 1440::	MTF	:	704.99 617.72 726.28	:	20.37 24.85 29.28	:	1.0	:

SUPPLEMENTARY RDX/HMX SITE SELECTION FOUR LINE CAPACITY

COST /SENSITIVITY /RISK
INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0% (COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

: IDENTIFICATION ::	CITE	:	COST		SIGMA	:	RISK(%)
: CASE NO. 81 :: : (25/75/100) :: : TEN YR PROD= 2250::	NEWPORT MTF		754.49 661.56	:	28.65 25.15 29.57	:	0.7
: CASE NO. 82 :: : (25/ 75/ 75) :: : TEN YR PROD= 1980::	NEWPORT MTF MC ALESTER	: (735.94 645.13 757.86	:	28.54 25.03 29.45	:	0.8
: CASE NO. 83 :: : (25/75/50) :: : TEN YR PROD= 1710::	NEWPORT MTF MC ALESTER	1 (/1/.40 528.70 738.94	:	28.43 24.92 29.35	:	0.9 **** 0.2
: CASE NO. 84 :: : (25/75/25) :: : TEN YR PROD= 1440::	NEWPORT MTF MC ALESTER	î (598.85 512.28 720.02	:	20.34 24.82 29.25		1 • 1 • • • • • • • • • • • • • • • • •
: CASE NO. 85 :: : (25/75/0) :: : TEM YR PROD= 1170::	NEWPORT MTF MC ALESTER	1 5	580.30 595.85 701.10	:	28.26 24.73 29.17	:	1.2 ***** 0.3
: CASE NO. 86 :: : (25/ 50/100) :: : TEN YR PRON= 1980::	NEWPORT MTF MC ALESTER	1 6	729.80 539.69 751.60	:	28.50 24.99 29.42	:	0.9 **** 0.2
: CASE NO. 87 :: : (25/ 50/ 75) :: : TEN YR PROD= 1710::	NEWPORT MTF MC ALESTER	1 5	711.26 523.27 732.68	:	28.40 24.88 29.32	:	1 • 0 ••••• 0 • 2
: CASE NO. 88 :: : (25/ 50/ 50) :: : TEN YR PROD= 1440::	NEWPORT MTF MC ALESTER	: (592.71 506.84 713.75	:	28.31 24.79 29.23	:	1 • 1 • • • • • 0 • 3
: CASE NO. 87 :: : (25/50/25) :: : TEN YR PROD= 1170::	MTF	4 5	574.16 590.42 594.83	;	28.23 24.71 29.15		1.3
: CASE NO. 90 :: : (25/50/0) :: : TEN YR PROD= 900::	NEWPORT MTF MC ALESTER	: 5	555.61 573.99 575.91	:	28.17 24.64 29.08	:	1.5

SUPPLEMENTARY RDX/HMX SITE SELECTION FOUR LINE CAPACITY

COST /SENSITIVITY /HISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

#							#
: IDENTIFICATION ::	SITE		COST		SIGMA	RISK(%)	1
: CASE NO. 91 :: : (25/25/100) :: : TEN YR PROD= 1710::			705.12 617.83 726.41	:	28.37 24.85 29.28	1.0	:
: CASE NO. 92 :: : (25/25/75) :: : TEN YR PROD= 1440::	NEWPORT MTF MC ALESTER	:	686.57 601.41 707.49	:	28.28 24.76 29.20	1.2	:
: CASE NO. 93 :: : (25/25/50) :: : TEN YR PROD= 1170::	NEWPORT MTF MC ALESTER		668.02 584.98 688.57		28.21 24.68 29.13	1 · 3 1 **** 1 0 · 3	:
: CASE NO. 94 :: : (25/25/25) :: : TEN YR PROD= 900:	NEWPORT MTF MC ALESTER	:	649.47 568.55 669.65	:	28.15 24.62 29.06	1.5	:
: CASE NO. 95 :: : (25/ 25/ 0) :: : TEN YR PROD= 630::		:	630.92 552.13 650.73	:	28.09 24.56 29.01	1.7 ***** * 0.5	:
: CASE NO. 96 :: : (25/ 0/100) :: : TEN YR PROD= 1440::	NEWPORT MTF MC ALESTER		680.43 595.97 701.23	:	28.26 24.73 29.17	1.2	:
: CASE NO. 97 :: : (25/ 0/75) :: : TEN YR PROD= 1170::		:	661.88 579.54 682.31	*	28.19 24.66 29.10	1 • 4	:
: CASE NO. 95 :: : (25/ 0/50) :: : TEN YR PROD= 900::		:	643.33 563.12 663.39	\$ \$	28.13 24.60 29.05	1.6	:
: CASE NO. 97 :: : (25/ 0/ 25) :: : TEN YR PROD= 630::	NEWPORT MTF MC ALESTER	:	624.78 546.69 644.47	:	28.08 24.55 29.00	1 • 8 • • • • • • 0 • 5	:
	NEWPORT MTF MC ALESTER	:	606.24 530.27 625.55	:	28.04 24.51 28.96	2 · 1	:

SUPPLEMENTARY RDX/HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /KISK

INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION :	SITE	1	CUST	1	SIGMA	1	RISK(%)	
CASE NO. 101 ::	NEWPORT MTF	:	733.10 642.62	:	28.52	:	0.9	
TEN YR PROD= 2160:1			754.96	:	29.43	i	0.2	
CASE NO. 102 ::	NEWPORT	:	714.56 626.19	:	25.42	:	1.0	
TEN YR PROD= 1890:			736.04	:	29.33	1	0.2	
CASE NO. 103 ::	NEWPORT MTF	:	696.01		28.33	:	1.1	
(0/100/ 50) :: TEN YR PROD= 1620::			609.77	2	24.81	2	0.3	
CASE NO. 104 :	NEWPORT	:	677.46	:	28.25	i	1.3	
(0/100/ 25) :: TEN YR PROD= 1350::	* *	1	593.34	:	24.72 29,16	*	0.3	
CASE NO. 105 ::		:	658,91	:	28.18	:	1.4	
TEN YR PROD= 1080:		2	576.91 679.28	3	24.65	8	0 • 4	
CASE NO. 106 ::		:	708.42	:	28.39	:	1.0	
TEM YR PRO()= 1890:		:	620.75	8	24.87		0.2	
CASE NO. 10/	NEWPORT	:	689.87	1	26.30	:	1,1	
1 (0/ 75/ 75) 11 1 TEN YR PROD= 1620:1	MC ALESTER	8	604.33	2	24.78	8	0.3	1
CASE NO. 100 ::	NEWPORT	:	671.32		28.22	:	1.3	1
TEM YR PROD= 1350::	MTF MC ALESTER	2	587.90	8	24.70	:	0.3	3
CASE NO. 109	NEWPORT	:	652.77		28.16	:	1.5	::
TEN YR PROD= 1080::	MTF MC ALESTER	*	571.48 673.02	3	24.63	:	0 - 4	:
CASE NO. 119 ::	NEWPORT	;	634.22		28.10	:	1.7	1
(0/ 75/ 0) :: TEN YR PROD= 810::		3	555.05 654.10	8	24.57	:	0.5	3

SUPPLEMENTARY RDX/HMX SITE SELECTION FOUR LINE CAPACITY COS! /SENSITIVITY /RISK INCREASE IN NEWPORT AAP COSTS CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0% (COST IN \$MILLION DISCOUNTED AT 10%) (QUANTITIES IN MILLIONS OF LBS.)

IDENTIFICATION ::	SITE	COST	: SIGMA	1 RISK(%)
CASE NO. 111	NEWPOR! ;	683.73	28.27	1.2
(0/ 50/100)	MTF ;	598.89	24.75	
TEN YR PROD= 1620:	MC ALESTER ;	704.60	29.19	
CASE NO. 112 ::	NEWPORT :	665.18	28.20	1.4
(0/ 50/ 75) ::	MTF :	582.47	24.67	
TEN YR PROD= 1350::	MC ALESTER :	685.68	29.12	
CASE NO. 113 ::	NEWPORT :	646.63	28.14	1 • 6
(0/ 50/ 50) ::	MTF :	566.04	24.61	
TEN YR PROD= 1080::	MC ALESTER :	666.75	29.05	
CASE NO. 114 ::	NEWPORT	628.09	: 28.09	1.8
(0/ 50/ 25) ::	MTF	549.61	: 24.56	1 *****
TEN YR PROD= 810::	MC ALESTER	647.83	: 29.01	1 0.5
CASE NO. 115 ::	NEWPORT :	609.54	28.05	2 • 0
(0/ 50/ 0) ::	MTF :	533.19	24.52	• ****
TEN YR PROD= 540::	MC ALESTER :	628.91	28.97	0 • 6
CASE NO. 116 ::	NEWPORT :	659.04	28.18	1.4
(0/ 25/100) ::	MTF :	577.03	24.65	
TEN YR PROD= 1350::	MC ALESTER :	679.41	29.09	
CASE NO. 117 ::	NEWPORT :	640.49	28.12	1 06
(0/ 25/ 75) ::	MTF :	560.60	24.59	
TEN YR PROD= 1080::	MC ALESTER :	60.49	29.04	
CASE NO. 118 :: (0/ 25/ 50) :: TEN YR PROD= 810::	NEWPORT I	621.95 544.18 641.57	20.07 24.54 28.99	1.9
CASE NO. 119 ::	NEWPORT :	603.40	28.04	2.1
(0/ 25/ 25) ::	MTF :	527.75	24.51	*****
TEN YR PROD= 540::	MC ALESTER :	522.65	28.96	0.6
CASE NO. 120 ::	NEWPORT 1	584.85	1 28.02	2 · 4
(0/ 25/ 0) ::	MTF 1	511.33	1 24.48	1 · * * * *
TEN YR PROD= 270::	MC ALESTER 1	603.73	1 28.94	2 · 0 · 7

SUPPLEMENTARY ROX/HMX SITE SELECTION FOUR LINE CAPACITY COST /SENSITIVITY /RISK

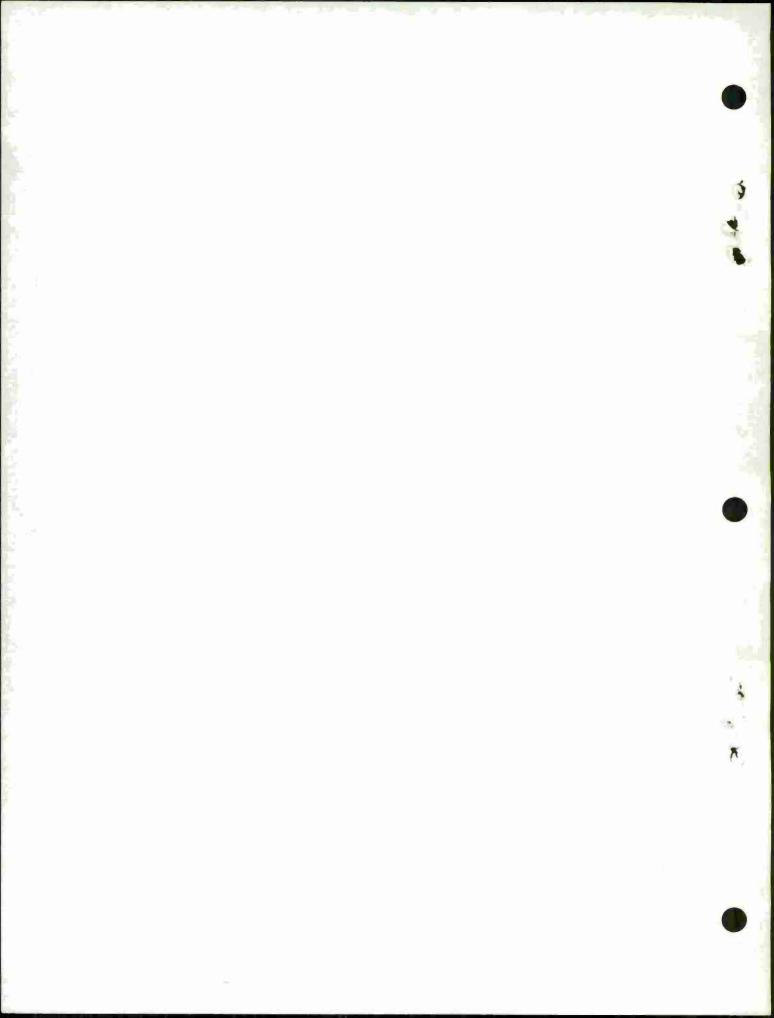
INCREASE IN NEWPORT AAP COSTS

CONST= 0%, MTLS= 0% UTLS= 0%, LBR= 0%, TRANS= 0%

(COST IN \$MILLION DISCOUNTED AT 10%)

(QUAN[ITIES IN MILLIONS OF LBS.)

*									
: IDENTIFICATION	1 : 1	SITE	1	COST		SIGMA		RISK(%)	7-8
								• • • • • • • • • •	
I CASE NO. 121			8		\$	23.10	1	. 1 • 7	
: (0/ 0/100)	1.1	MTF	3	555.17	2	24.57	8	***	-
: TEN YR PROD= 1		MC ALESTER	1	654.23	8	29.02		0.5	3
#=====================================									
	2 2	NEWPORT	1	615.81	3	28.06	8	1.9	- 1
: (0/ 0/ 75)	2 2	MTF	:	538.74	8	24.53	1	****	
TEN YR PROD=	810::	MC ALESTER	3	635.31	8	28.98	:	0.5	:
1 CASE NO. 123	::	NEWPORT		597.26	:	28.03	1	2.2	
1 (0/ 0/ 50)				522.32		24.50	•	****	
TEN YR PROD=	34011	MC ALESIER		616.39	:	28.95		0.7	4
1 CASE NO. 124	2.2	NEWPORT		578./1	:	28.01	:	2.5	3
: (0/ 0/ 25)	2.3	MTF	:	505.89	3	24.48	1	****	1
: TEN YR PROD=			2	597.47	1	28.93		0 • 8	2
#									4
: CASE NO. 125	: 3	NEWPORT	2	560.16		28.01		2.9	- 3
: (0/ 0/ 0)	2 2	MTF	2	489.46		24.47		****	1
I TEN YR PROD=	0:1	MC ALESTER		578.55	\$	28,93	1	0 • 9	1
4									



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